



# Power Magnetics

## Product Selection Guide

- Inductors
- Transformers
- Common-Mode Chokes

*Tomorrow's electronic products...*



# Magnetic Products

Two essential elements of the vast majority of power electronics applications are filtering and isolation. Whether you need to reduce noise or protect vital components, Murata Power Solutions can offer a wide range of products to suit your requirements.

With an emphasis on miniaturization, reliability and ease of handling, our designs are available in a variety of styles including bobbin, radial, axial and surface-mount.

- Inductors
- Pulse transformers
- Common-mode chokes
- Current sensing transformers
- Databus isolators
- Agency approved transformers
- Reference designs
- Custom designs



# Index

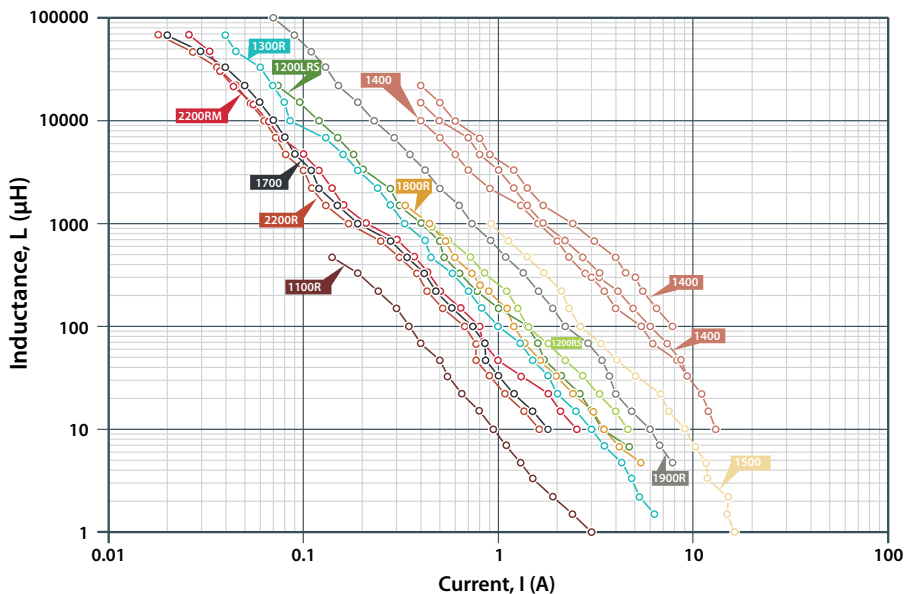
Series	Through Hole	Surface Mount	Shielded	Unshielded	Rated Current				Inductance Range								Page				
					10mA	100mA	1A	10A	10nH	100nH	1µH	10µH	100µH	1mH	10mH	100mH					
1100R					140mA		3A				1.0µH			470µH							
2200R					18mA		1.62A					10µH									6
1700					20mA		1.8A					10µH									
1300R					40mA		6.3A				1.5µH										
1800R					130mA		5.35A					4.7µH									7
1800					130mA		5.35A					4.7µH									
1900R					70mA		7.8A					4.7µH									
1500						910mA	16.2A				1.0µH				1.0mH						8
1400					400mA		13A					10µH									
1200LRS					73mA		4.7A					6.8µH									
1200RS					440mA		4.6A					10µH			1.0mH						
8200					70mA		2A					1µH			470µH						9
8400					50mA		2.8A					1µH			2.2mH						
3400L					160mA		1.7A					1.2µH			220µH						
3400					90mA		2.5A					1.2µH			1.0mH						
2700T					130mA		2A					1µH			330µH						10
2700					110mA		1.6A					4.7µH			1.0mH						
2900L					140mA		4.6A					1µH			1.0mH						
2900					180mA		6A					1µH			1.0mH						
2300					430mA		2.1A					2.2µH			100µH						11
2300S					250mA		2.1A					2.2µH			220µH						
2400					350mA		2.6A					2.7µH			220µH						
2400S					350mA		3.1A					2.7µH			220µH						
2600					280mA		4.4A					3.3µH			680µH						12

Series	Through Hole	Surface Mount	Shielded	Unshielded	Rated Current				Inductance Range							Page					
					10mA	100mA	1A	10A	10nH	100nH	1µH	10µH	100µH	1mA	10mA		100mA				
2600S						400mA		4.6A				3.3µH			680µH					12	
2200RM						26mA		2.52A				10µH									
2800						290mA		15.5A				1µH									
4500						230mA		8A				280nH									
4600						270mA		8.7A				280nH									
4700S						400mA		10A				1µH									
4800S						520mA		10A				1µH									
4900S						500mA		11.8A				1µH									
4700							1.01A	9.5A				1µH									
4800							1.23A	12.3A				1µH									
4900							950mA	9.5A				2.2µH									
8300						240mA		3A				420nH									
3200						450mA		4.5A				10µH									
3300						760mA		7.6A				10µH									
4000						540mA		5.2A				3.3µH									
4100						830mA		8.1A				2.7µH									
4200							10.4A	14.3A				1.27µH									
4300							21A	22.4A				2.1µH									
3500							6.5A	15.5A				250nH									
3600							3.6A	14.5A				400nH									
3700							9A	19.5A				300nH									
3800							4.8A	18A				150nH									
3900							5A	19.5A				350nH									
6000A							4.9A	14.5A				5.8µH									
6000B							3.0A	10.5A				47µH									
3000A								22A	37A			80nH									
3000B								29A	37A			85nH									

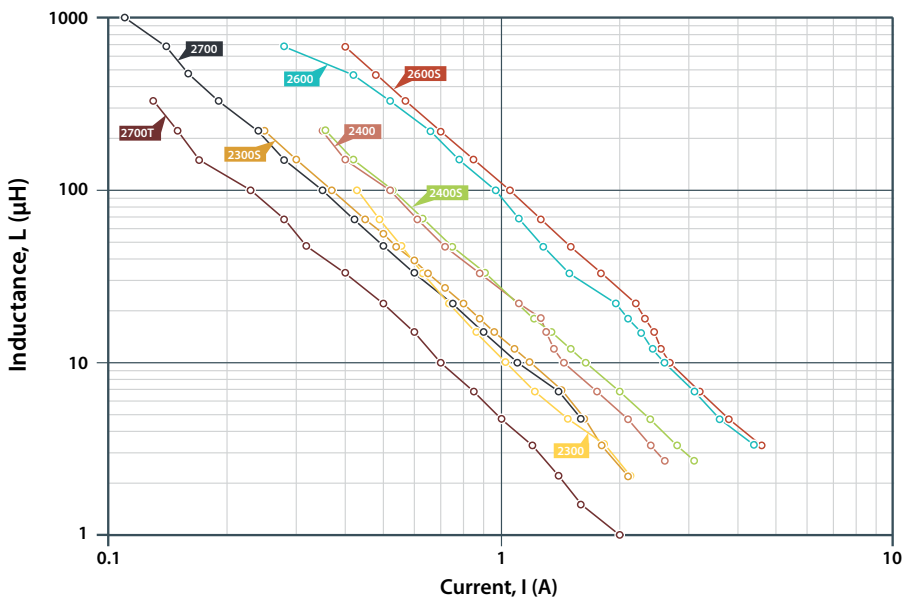
Series	Through Hole	Surface Mount	Page
5000			
5100			19
5200			

Series	Through Hole	Surface Mount	Type	Page
			General Purpose	
			Application Specific	
766			✓	20
786(J)			✓	(21)
1000			✓	21
772			✓	
16XX			✓	22
78250(J)			✓	23
78253(J)			✓	(24)
76250ENC			✓	24
76253/XXENC			✓	

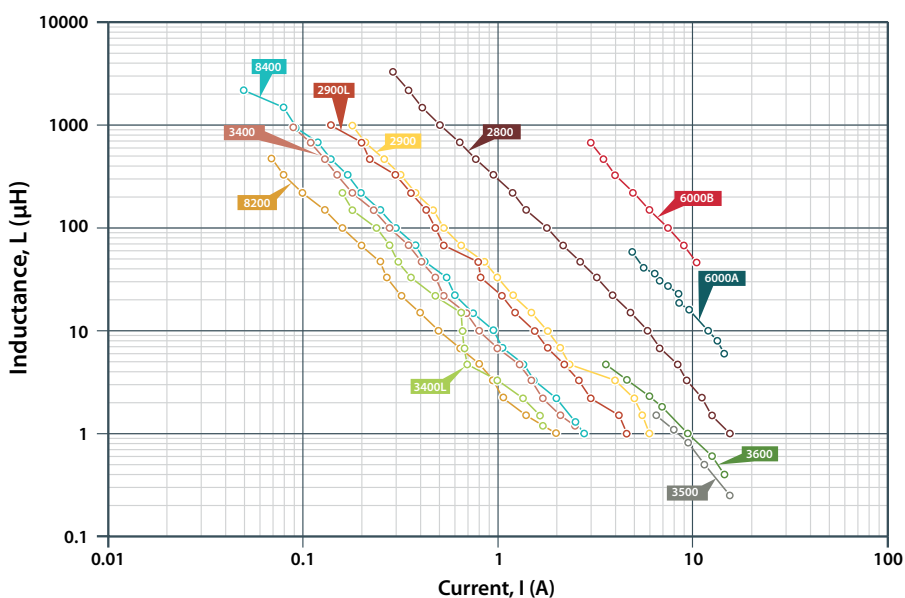
Series	Through Hole	Surface Mount	Type	Page
			General Purpose	
			Application Specific	
782482			✓	24
782485			✓	
DA100(J)			✓	25
5300				
5400				26
5500				
5600				27



Series	Package	Page
1100R		6
1200LRS		8
1200RS		9
1300R		7
1400		8
1500		
1700		6
1800		7
1800R		
1900R		6
2200R		
2200RM		12

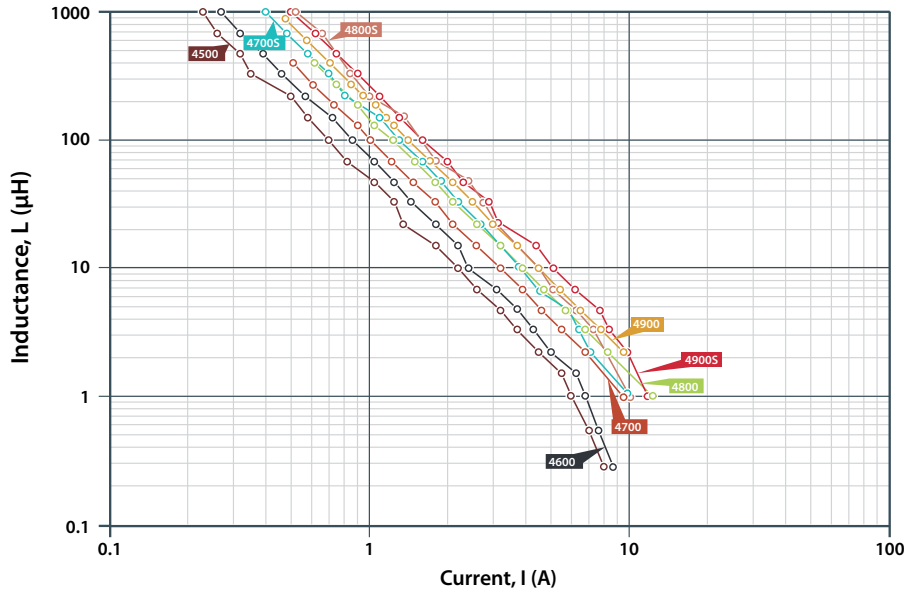


Series	Package	Page
2300		11
2300S		
2400		12
2400S		
2600		10
2600S		
2700		10
2700T		

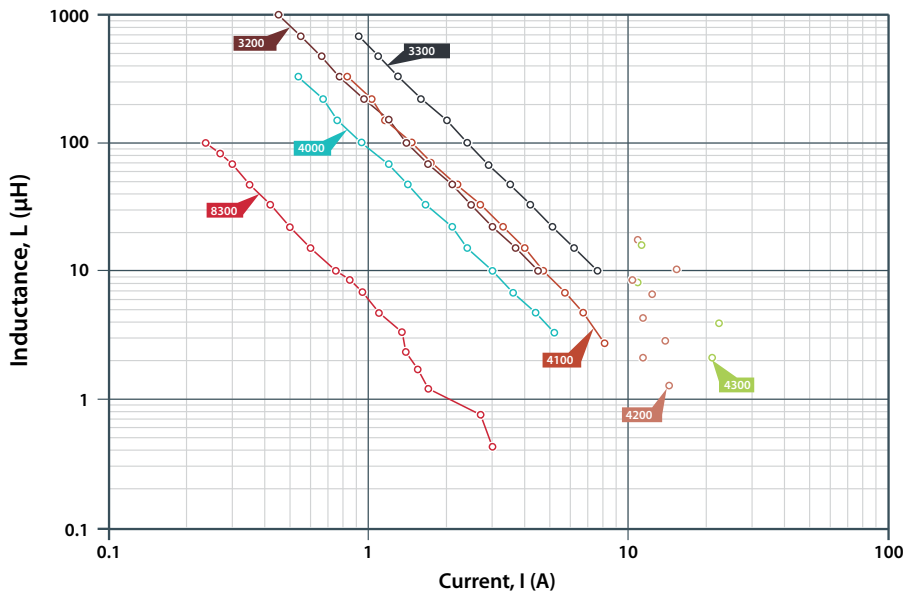


Series	Package	Page
2800		13
2900L		10
2900		11
2900A		9
2900B		
3400		10
3500		17
3600		
6000A		18
6000B		
8200		9
8400		

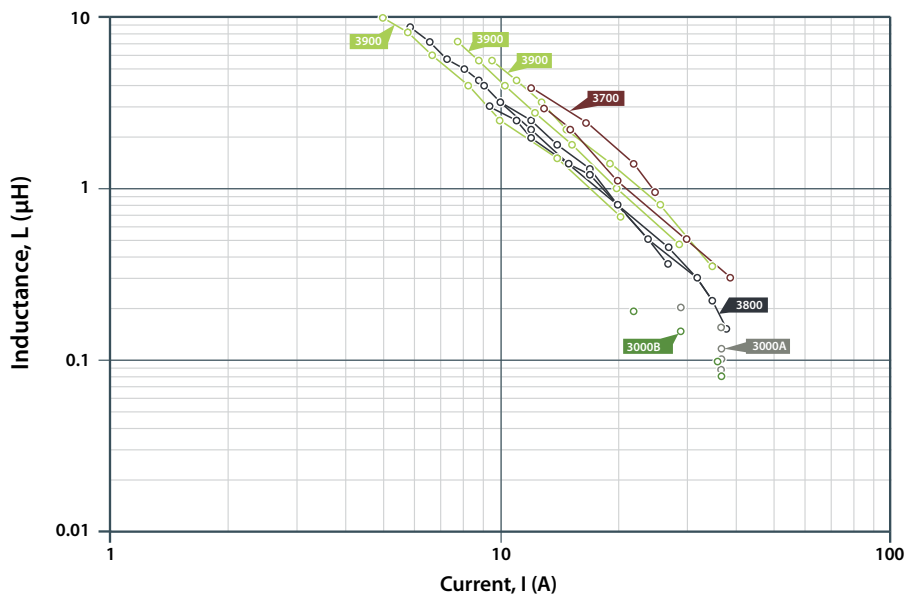




Series	Package	Page
4500		13
4600		
4700S		14
4700		
4800S		
4800		
4900S		15
4900		



Series	Package	Page
3200		15
3300		
4000		16
4100		
4200		
4300		15
8300		



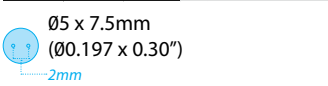
Series	Package	Page
3000A		18
3000B		
3700		17
3800		
3900		18

Inductors

**THROUGH HOLE UNSHIELDED**

**1100R Series**

<b>Inductance:</b>	1μH - 470μH
<b>Current:</b>	Up to 3.0A <sub>DC</sub>
<b>Operating temp:</b>	-40 to +85°C
<b>Height:</b>	7.5mm (0.30")



Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
1.0	3.00	0.02	11R102C
1.5	2.40	0.03	11R152C
2.2	1.90	0.05	11R222C
3.3	1.50	0.07	11R332C
4.7	1.30	0.09	11R472C
6.8	1.10	0.10	11R682C
10	0.95	0.14	11R103C
15	0.80	0.19	11R153C
22	0.65	0.27	11R223C
33	0.55	0.42	11R333C
47	0.50	0.54	11R473C
68	0.40	0.85	11R683C
100	0.35	1.10	11R104C
150	0.30	1.65	11R154C
220	0.24	2.40	11R224C
330	0.19	3.60	11R334C
470	0.14	6.40	11R474C

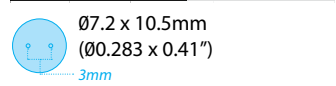
**Download full datasheet:**  
[www.murata-ps.com/data/magnetics/kmp\\_1100r.pdf](http://www.murata-ps.com/data/magnetics/kmp_1100r.pdf)



**THROUGH HOLE UNSHIELDED**

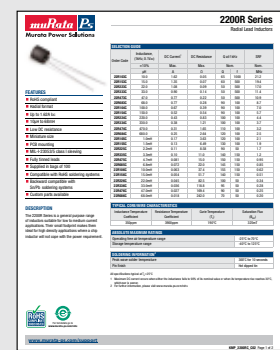
**2200R Series**

<b>Inductance:</b>	10μH - 68mH
<b>Current:</b>	Up to 1.62A <sub>DC</sub>
<b>Operating temp:</b>	-25 to +70°C
<b>Height:</b>	10.5mm (0.41")



Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
10	1.62	0.05	22R103C
15	1.35	0.07	22R153C
22	1.08	0.09	22R223C
33	0.90	0.14	22R333C
47	0.77	0.22	22R473C
68	0.77	0.28	22R683C
100	0.67	0.39	22R104C
150	0.52	0.54	22R154C
220	0.43	0.83	22R224C
330	0.38	1.21	22R334C
470	0.31	1.65	22R474C
680	0.25	2.64	22R684C
1mH	0.17	3.63	22R105C
1.5mH	0.13	6.49	22R155C
2.2mH	0.11	8.58	22R225C
3.3mH	0.10	11.0	22R335C
4.7mH	0.081	15.0	22R475C
6.8mH	0.072	22.0	22R685C
10mH	0.063	37.4	22R106C
15mH	0.054	51.7	22R156C
22mH	0.045	82.5	22R226C
33mH	0.036	118.8	22R336C
47mH	0.027	169.4	22R476C
68mH	0.018	242.0	22R686C

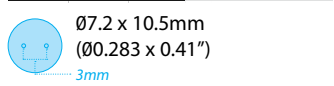
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**1700 Series**

<b>Inductance:</b>	10μH - 68mH
<b>Current:</b>	Up to 1.8A <sub>DC</sub>
<b>Operating temp:</b>	0 to +70°C
<b>Height:</b>	10.5mm (0.41")



Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
10	1.80	0.05	17103C
15	1.50	0.06	17153C
22	1.20	0.08	17223C
33	1.00	0.13	17333C
47	0.86	0.20	17473C
68	0.85	0.26	17683C
100	0.74	0.35	17104C
150	0.58	0.49	17154C
220	0.48	0.75	17224C
330	0.42	1.10	17334C
470	0.34	1.50	17474C
680	0.28	2.40	17684C
1mH	0.19	3.30	17105C
1.5mH	0.15	5.90	17155C
2.2mH	0.12	7.80	17225C
3.3mH	0.11	10.0	17335C
4.7mH	0.09	13.6	17475C
6.8mH	0.08	20.0	17685C
10mH	0.07	34.0	17106C
15mH	0.06	47.0	17156C
22mH	0.05	75.0	17226C
33mH	0.04	108.0	17336C
47mH	0.03	154.0	17476C
68mH	0.02	220.0	17686C

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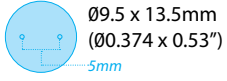


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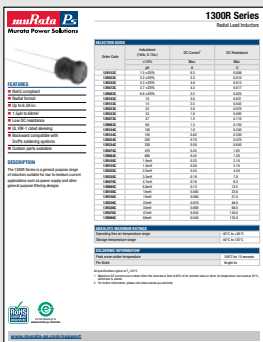
**1300R Series**

<b>Inductance:</b>	1.5μH - 68mH
<b>Current:</b>	Up to 6.3A <sub>DC</sub>
<b>Operating temp:</b>	-40 to +85°C
<b>Height:</b>	13.5mm (0.53")



Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
1.5	6.3	0.008	13R152C
2.2	5.3	0.010	13R222C
3.3	4.8	0.013	13R332C
4.7	4.3	0.017	13R472C
6.8	3.5	0.023	13R682C
10	3.0	0.031	13R103C
15	2.5	0.042	13R153C
22	2.0	0.070	13R223C
33	1.8	0.092	13R333C
47	1.5	0.110	13R473C
68	1.3	0.150	13R683C
100	1.0	0.240	13R104C
150	0.82	0.330	13R154C
220	0.70	0.470	13R224C
330	0.58	0.640	13R334C
470	0.45	1.05	13R474C
680	0.42	1.50	13R684C
1mH	0.33	2.10	13R105C
1.5mH	0.28	3.10	13R155C
2.2mH	0.24	4.50	13R225C
3.3mH	0.19	7.0	13R335C
4.7mH	0.16	9.3	13R475C
6.8mH	0.13	13.5	13R685C
10mH	0.085	23.8	13R106C
15mH	0.080	31.0	13R156C
22mH	0.070	48.0	13R226C
33mH	0.060	68.0	13R336C
47mH	0.045	120.0	13R476C
68mH	0.040	152.0	13R686C

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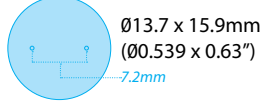


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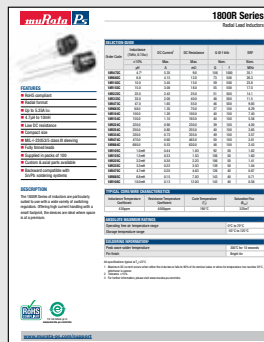
**1800R Series**

<b>Inductance:</b>	4.7μH - 10mH
<b>Current:</b>	Up to 5.35A <sub>DC</sub>
<b>Operating temp:</b>	0 to +70°C
<b>Height:</b>	15.9mm (0.63")



Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
4.7	5.35	9.0	18R472C
6.8	4.15	12.0	18R682C
10	3.45	15.0	18R103C
15	3.00	18.0	18R153C
22	2.42	25.0	18R223C
33	2.00	40.0	18R333C
47	1.65	55.0	18R473C
68	1.35	70.0	18R683C
100	1.20	100.0	18R104C
150	1.10	165.0	18R154C
220	0.90	230.0	18R224C
250	0.80	255.0	18R254C
330	0.73	335.0	18R334C
470	0.60	465.0	18R474C
680	0.53	630.0	18R684C
1.0mH	0.44	1.0Ω	18R105C
1.5mH	0.33	1.5Ω	18R155C
2.2mH	0.30	2.2Ω	18R225C
3.3mH	0.22	3.5Ω	18R335C
4.7mH	0.20	4.6Ω	18R475C
6.8mH	0.15	7.0Ω	18R685C
10mH	0.13	12.0Ω	18R106C

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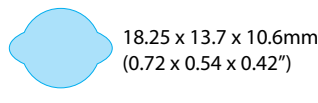


**THROUGH HOLE  
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**1800 Series**

<b>Inductance:</b>	4.7μH - 10mH
<b>Current:</b>	Up to 5.35A <sub>DC</sub>
<b>Operating temp:</b>	0 to +70°C
<b>Height:</b>	10.6mm (0.42")



Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
4.7	5.35	9.0	18472C
6.8	4.15	12.0	18682C
10	3.45	15.0	18103C
15	3.00	18.0	18153C
22	2.42	25.0	18223C
33	2.00	40.0	18333C
47	1.65	55.0	18473C
68	1.35	70.0	18683C
100	1.20	100.0	18104C
150	1.10	165.0	18154C
220	0.90	230.0	18224C
250	0.80	255.0	18254C
330	0.73	335.0	18334C
470	0.60	465.0	18474C
680	0.53	630.0	18684C
1.0mH	0.44	1.0Ω	18105C
1.5mH	0.33	1.5Ω	18155C
2.2mH	0.30	2.2Ω	18225C
3.3mH	0.22	3.5Ω	18335C
4.7mH	0.20	4.6Ω	18475C
6.8mH	0.15	7.0Ω	18685C
10mH	0.13	12.0Ω	18106C

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www.murata-ps.com/data/magnetics/kmp\_1800.pdf

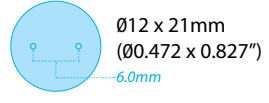


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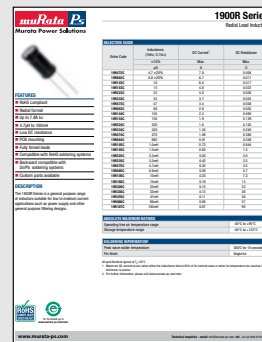
**1900R Series**

<b>Inductance:</b>	4.7μH - 100mH
<b>Current:</b>	Up to 7.8A <sub>DC</sub>
<b>Operating temp:</b>	-40°C to +95°C
<b>Height:</b>	21mm (0.827")



Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
4.7	7.8	0.008	19R472C
6.8	6.7	0.011	19R682C
10	6.0	0.017	19R103C
15	4.8	0.022	19R153C
22	4.0	0.026	19R223C
33	3.7	0.032	19R333C
47	3.4	0.038	19R473C
68	2.9	0.055	19R683C
100	2.2	0.090	19R104C
150	1.9	0.129	19R154C
220	1.6	0.162	19R224C
330	1.34	0.240	19R334C
470	1.09	0.380	19R474C
680	0.91	0.548	19R684C
1mH	0.73	0.844	19R105C
1.5mH	0.63	1.2	19R155C
2.2mH	0.50	2.0	19R225C
3.3mH	0.42	2.5	19R335C
4.7mH	0.35	3.5	19R475C
6.8mH	0.29	5.7	19R685C
10mH	0.23	7.3	19R106C
15mH	0.19	12	19R156C
22mH	0.15	22	19R226C
33mH	0.13	26	19R336C
47mH	0.11	36	19R476C
68mH	0.09	57	19R686C
100mH	0.07	90	19R107C

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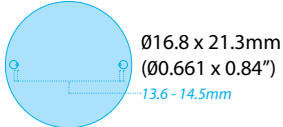


**THROUGH HOLE  
UNSHIELDED**



**1500 Series**

<b>Inductance:</b>	1.0μH to 1.0mH
<b>Current:</b>	Up to 16.2A <sub>DC</sub>
<b>Operating temp:</b>	-40 to +85°C
<b>Height:</b>	21.3mm (0.84")



Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
1.0	16.2	2.76	15102C
1.5	14.9	3.48	15152C
2.2	15.0	4.20	15222C
3.3	11.8	5.76	15332C
4.7	11.7	6.48	15472C
6.8	10.2	8.04	15682C
10	9.01	10.6	15103C
15	7.44	15.5	15153C
22	6.80	18.8	15223C
33	5.08	31.2	15333C
47	4.04	45.6	15473C
68	3.33	70.3	15683C
100	2.62	110	15104C
150	2.28	149	15154C
220	2.08	185	15224C
330	1.71	263	15334C
470	1.40	389	15474C
680	1.12	574	15684C
1mH	0.91	887	15105C

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www.murata-ps.com/data/magnetics/  
kmp\_1500.pdf

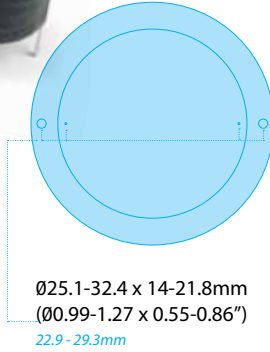


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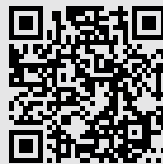
**1400 Series**

<b>Inductance:</b>	10μH - 22mH
<b>Current:</b>	Up to 13A <sub>DC</sub>
<b>Operating temp:</b>	-40 to +85°C
<b>Height:</b>	14.0 - 21.8mm (0.55 - 0.86")



Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
10	13	0.007	1410313C
15	12	0.009	1415312C
22	11	0.011	1422311C
33	9.3	0.015	1433393C
47	8.3	0.019	1447383C
47	8.5	0.021	1447385C
68	6.2	0.032	1468362C
68	7.3	0.022	1468373C
100	5.4	0.046	1410454C
100	6.0	0.033	1410460C
100	7.8	0.040	1410478C
150	4.0	0.069	1415440C
150	4.9	0.051	1415449C
150	6.5	0.042	1415465C
220	3.5	0.096	1422435C
220	4.1	0.073	1422441C
220	5.5	0.062	1422455C
300	3.0	0.140	1430430C
300	3.3	0.100	1430433C
300	5.0	0.080	1430450C
330	2.8	0.150	1433428C
330	3.3	0.107	1433433C
330	4.5	0.091	1433445C
470	2.3	0.222	1447423C
470	2.7	0.149	1447427C
470	4.0	0.125	1447440C
680	2.0	0.276	1468420C
680	2.2	0.226	1468422C
680	3.1	0.173	1468431C
1mH	1.6	0.419	1410516C
1mH	1.7	0.336	1410517C
1mH	2.4	0.277	1410524C

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kmp\_1400.pdf

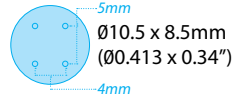


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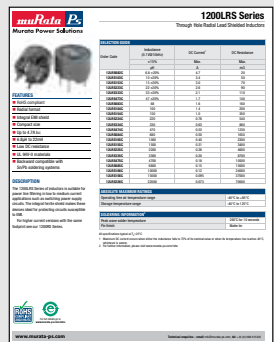
**1200LRS Series**

<b>Inductance:</b>	6.8μH - 22mH
<b>Current:</b>	Up to 4.7A <sub>DC</sub>
<b>Operating temp:</b>	-40 to +85°C
<b>Height:</b>	8.5mm (0.34")



Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
6.8	4.7	20	12LRS682C
10	3.4	50	12LRS103C
15	3.0	70	12LRS153C
22	2.6	90	12LRS223C
33	2.1	110	12LRS333C
47	1.7	140	12LRS473C
68	1.6	160	12LRS683C
100	1.4	200	12LRS104C
150	1.0	350	12LRS154C
220	0.78	540	12LRS224C
330	0.63	860	12LRS334C
470	0.53	1230	12LRS474C
680	0.50	1650	12LRS684C
1mH	0.40	2300	12LRS105C
1.5mH	0.31	3400	12LRS155C
2.2mH	0.28	4600	12LRS225C
3.3mH	0.20	8700	12LRS335C
4.7mH	0.18	10500	12LRS475C
6.8mH	0.15	15000	12LRS685C
10mH	0.12	24000	12LRS106C
15mH	0.095	37000	12LRS156C
22mH	0.073	70000	12LRS226C

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kmp\_1200lr.pdf



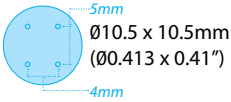


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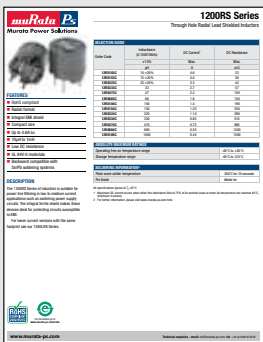
**1200RS Series**

<b>Inductance:</b>	10μH - 1mH
<b>Current:</b>	Up to 4.6A <sub>DC</sub>
<b>Operating temp:</b>	-40 to +85°C
<b>Height:</b>	10.5mm (0.41")



Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
10	4.6	23	12RS103C
15	4.0	36	12RS153C
22	3.3	42	12RS223C
33	2.7	57	12RS333C
47	2.2	100	12RS473C
68	1.8	150	12RS683C
100	1.4	190	12RS104C
150	1.25	230	12RS154C
220	1.10	290	12RS224C
330	0.85	510	12RS334C
470	0.72	980	12RS474C
680	0.55	1200	12RS684C
1mH	0.44	1500	12RS105C

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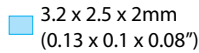


**SURFACE MOUNT  
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**8200 Series**

<b>Inductance:</b>	1.0μH - 470μH
<b>Current:</b>	Up to 2.0A <sub>DC</sub>
<b>Operating temp:</b>	-40 to +85°C
<b>Height:</b>	2mm (0.08")



Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
1.0	2.0	0.058	82102C
1.5	1.4	0.068	82152C
2.2	1.1	0.104	82222C
3.3	0.95	0.138	82332C
4.7	0.80	0.190	82472C
6.8	0.64	0.270	82682C
10	0.50	0.400	82103C
15	0.40	0.560	82153C
22	0.32	0.920	82223C
33	0.27	1.30	82333C
47	0.25	1.69	82473C
68	0.20	2.55	82683C
100	0.16	3.5	82104C
150	0.13	5.9	82154C
220	0.10	8.0	82224C
330	0.08	13.5	82334C
470	0.07	16.8	82474C

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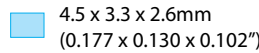


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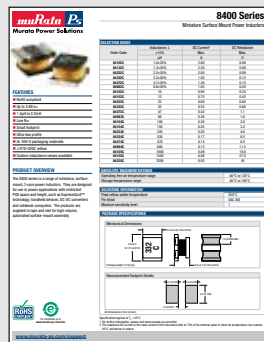
**8400 Series**

<b>Inductance:</b>	1μH - 2.2mH
<b>Current:</b>	Up to 2.8A <sub>DC</sub>
<b>Operating temp:</b>	-40 to +125°C
<b>Height:</b>	2.6mm (0.102")



Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
1.0	2.8	0.08	84102C
1.3	2.5	0.08	84132C
2.2	2	0.09	84222C
3.3	1.5	0.12	84332C
4.7	1.3	0.15	84472C
6.8	1.05	0.2	84682C
10	0.95	0.24	84103C
15	0.75	0.45	84153C
22	0.6	0.6	84223C
33	0.55	0.86	84333C
47	0.42	1.1	84473C
68	0.38	1.6	84683C
100	0.3	2	84104C
150	0.25	3.2	84154C
220	0.2	4.6	84224C
330	0.17	6.5	84334C
470	0.14	8.5	84474C
680	0.12	11.5	84684C
1000	0.09	18	84105C
1500	0.08	27	84155C
2200	0.05	45	84225C

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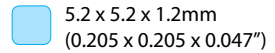


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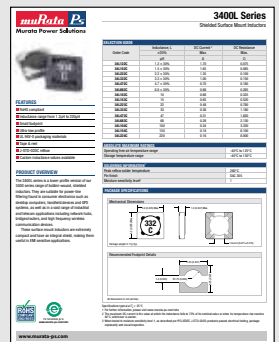
**3400L Series**

<b>Inductance:</b>	1.2μH - 220μH
<b>Current:</b>	Up to 1.7A <sub>DC</sub>
<b>Operating temp:</b>	-40° to 125°C
<b>Height:</b>	1.2mm (0.047")



Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
1.2	1.7	0.075	34L122C
1.5	1.65	0.085	34L152C
2.2	1.35	0.1	34L222C
3.3	1	0.15	34L332C
4.7	0.7	0.18	34L472C
6.8	0.68	0.265	34L682C
10	0.66	0.325	34L103C
15	0.65	0.52	34L153C
22	0.48	0.78	34L223C
33	0.36	1.18	34L333C
47	0.31	1.82	34L473C
68	0.28	2.13	34L683C
100	0.24	3.33	34L104C
150	0.18	6.1	34L154C
220	0.16	8	34L224C

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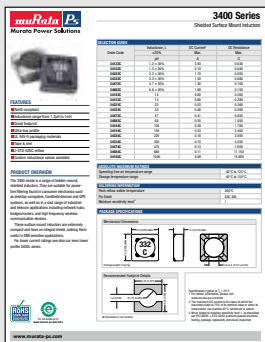
**3400 Series**

<b>Inductance:</b>	1.2μH - 1mH
<b>Current:</b>	Up to 2.5A <sub>DC</sub>
<b>Operating temp:</b>	-40° to 125°C
<b>Height:</b>	2.0mm (0.079")

5.2 x 5.2 x 2.0mm  
(0.205 x 0.205 x 0.079")

Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
1.2	2.5	0.03	34122C
1.5	2.1	0.04	34152C
2.2	1.7	0.05	34222C
3.3	1.5	0.08	34332C
4.7	1.3	0.1	34472C
6.8	1	0.15	34682C
10	0.8	0.2	34103C
15	0.68	0.28	34153C
22	0.53	0.36	34223C
33	0.48	0.56	34333C
47	0.41	0.85	34473C
68	0.35	1.05	34683C
100	0.28	1.7	34104C
150	0.23	2.4	34154C
220	0.18	3.05	34224C
330	0.15	4.55	34334C
470	0.13	7.65	34474C
680	0.11	11.15	34684C
1000	0.09	15	34105C

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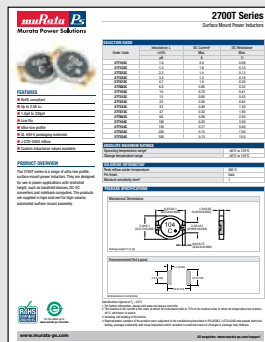
**2700T Series**

<b>Inductance:</b>	1μH - 330μH
<b>Current:</b>	130mA - 2A
<b>Operating temp:</b>	-40°C to 125°C
<b>Height:</b>	1.0mm (0.039")

6.45 x 5.4 x 1.0mm  
(0.254 x 0.213 x 0.05")

Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
1	2	0.08	27T102C
1.5	1.6	0.1	27T152C
2.2	1.4	0.12	27T222C
3.3	1.2	0.16	27T332C
4.7	1	0.2	27T472C
6.8	0.85	0.32	27T682C
10	0.7	0.41	27T103C
15	0.6	0.55	27T153C
22	0.5	0.85	27T223C
33	0.4	1.3	27T333C
47	0.32	1.8	27T473C
68	0.28	2.5	27T683C
100	0.23	3.5	27T104C
150	0.17	5	27T154C
220	0.15	7	27T224C
330	0.13	15	27T334C

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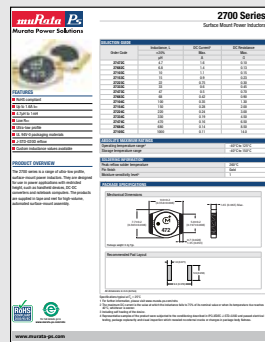
**2700 Series**

<b>Inductance:</b>	4.7μH - 1mH
<b>Current:</b>	110mA - 1.6A
<b>Operating temp:</b>	-40°C to 125°C
<b>Height:</b>	1.65mm (0.065")

9.0 x 7.7 x 1.65mm  
(0.354 x 0.303 x 0.065")

Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
4.7	1.6	0.1	27472C
6.8	1.4	0.13	27682C
10	1.1	0.15	27103C
15	0.9	0.23	27153C
22	0.75	0.3	27223C
33	0.6	0.45	27333C
47	0.5	0.7	27473C
68	0.42	0.9	27683C
100	0.35	1.3	27104C
150	0.28	2	27154C
220	0.24	3	27224C
330	0.19	4.5	27334C
470	0.16	6.5	27474C
680	0.14	8.5	27684C
1000	0.11	14	27105C

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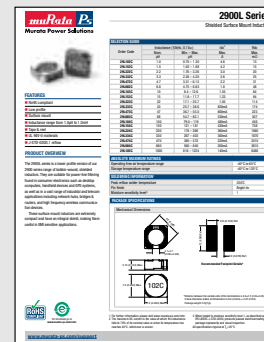
**2900L Series**

<b>Inductance:</b>	1μH - 1mH
<b>Current:</b>	140mA - 4.6A
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	3.15mm (0.124")

7.2 x 7.2 x 3.15mm  
(0.283 x 0.283 x 0.124")

Inductance	Current	DC Resistance	Model Number
μH	mA	mΩ	
1	4600	13	29L102C
1.5	4200	15	29L152C
2.2	3000	20	29L222C
3.3	2600	25	29L332C
4.7	2200	31	29L472C
6.8	1800	48	29L682C
10	1550	64	29L103C
15	1230	84	29L153C
22	1050	114	29L223C
33	820	174	29L333C
47	800	223	29L473C
68	530	307	29L683C
100	480	456	29L104C
150	430	738	29L154C
220	360	1060	29L224C
330	300	1670	29L334C
470	220	2410	29L474C
680	200	3610	29L684C
1000	140	6480	29L105C

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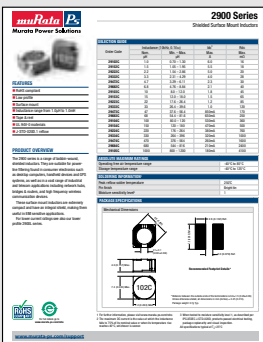
**2900 Series**

<b>Inductance:</b>	1μH - 1mH
<b>Current:</b>	180mA - 6.0A
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	4.0mm (0.157")

7.2 x 7.2 x 4.0mm  
(0.283 x 0.283 x 0.157")

Inductance	Current	DC Resistance	Model Number
μH	mA	mΩ	
1	6000	16	29102C
1.5	5500	18	29152C
2.2	5000	20	29222C
3.3	4000	28	29332C
4.7	2300	30	29472C
6.8	2100	40	29682C
10	1800	45	29103C
15	1500	65	29153C
22	1200	85	29223C
33	1000	120	29333C
47	850	170	29473C
68	650	250	29683C
100	530	360	29104C
150	470	500	29154C
220	380	760	29224C
330	320	1000	29334C
470	260	1600	29474C
680	210	2400	29684C
1000	180	4100	29105C

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**2300 Series**

<b>Inductance:</b>	2.2μH - 100μH
<b>Current:</b>	430mA - 2.1A
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	3.2mm (0.126")

4.5 x 4.0 x 3.2mm  
(0.177 x 0.157 x 0.126")

Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
2.2	2.1	0.04	232R2C
3.3	1.8	0.058	233R3C
4.7	1.48	0.068	234R7C
6.8	1.22	0.102	236R8C
10	1.02	0.138	23100C
15	0.86	0.21	23150C
22	0.74	0.361	23220C
33	0.64	0.497	23330C
47	0.55	0.683	23470C
68	0.49	1.051	23680C
100	0.43	1.281	23101C

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**2300 Series**

<b>Inductance:</b>	2.2μH - 220μH
<b>Current:</b>	250mA - 2.1A
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	3.2mm (0.126")

6.2 x 5.6 x 3.2mm  
(0.244 x 0.220 x 0.126")

Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
2.2	2.1	0.025	2352R2C
3.3	1.8	0.031	2353R3C
4.7	1.6	0.044	2354R7C
6.8	1.4	0.064	2356R8C
10	1.18	0.087	235100C
12	1.08	0.107	235120C
15	0.96	0.131	235150C
18	0.88	0.143	235180C
22	0.8	0.175	235220C
27	0.72	0.218	235270C
33	0.65	0.241	235330C
39	0.6	0.37	235390C
47	0.54	0.46	235470C
56	0.5	0.509	235560C
68	0.45	0.641	235680C
100	0.37	0.782	235101C
150	0.3	1.19	235151C
220	0.25	2.28	235221C

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**2400 Series**

<b>Inductance:</b>	2.7μH - 220μH
<b>Current:</b>	350mA - 2.6A
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	4.5mm (0.177")

5.8 x 5.2 x 4.5mm  
(0.228 x 0.205 x 0.177")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
2.7	2.6	39	242R7C
3.3	2.4	42	243R3C
4.7	2.1	50	244R7C
6.8	1.75	61	246R8C
10	1.44	100	24100C
12	1.36	100	24120C
15	1.3	120	24150C
18	1.26	150	24180C
22	1.11	180	24220C
33	0.88	230	24330C
47	0.72	370	24470C
68	0.61	460	24680C
100	0.52	700	24101C
150	0.4	1100	24151C
220	0.35	1570	24221C

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**SURFACE MOUNT  
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**2400 Series**

<b>Inductance:</b>	2.7μH - 220μH
<b>Current:</b>	350mA - 3.1A
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	4.5mm (0.177")

7.7 x 7.1 x 4.5mm  
(0.303 x 0.280 x 0.177")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
2.7	3.1	28	24S2R7C
3.3	2.8	32	24S3R3C
4.7	2.39	37	24S4R7C
6.8	2	45	24S6R8C
10	1.64	70	24S100C
12	1.5	74	24S120C
15	1.34	90	24S150C
18	1.22	91	24S180C
22	1.1	120	24S220C
33	0.9	190	24S330C
47	0.75	240	24S470C
68	0.63	370	24S680C
100	0.52	540	24S101C
150	0.42	860	24S151C
220	0.35	1310	24S221C

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**SURFACE MOUNT  
UNSHIELDED**



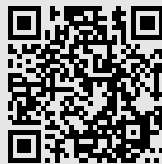
**2600 Series**

<b>Inductance:</b>	3.3μH - 680μH
<b>Current:</b>	280mA - 4.4A
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	5.4mm (0.21")

9.0 x 10.0 x 5.4mm  
(0.35 x 0.39 x 0.21")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
3.3	4.4	35	263R3C
4.7	3.6	45	264R7C
6.8	3.1	54	266R8C
10	2.6	60	26100C
12	2.42	68	26120C
15	2.27	90	26150C
18	2.1	87	26180C
22	1.95	100	26220C
33	1.5	120	26330C
47	1.28	170	26470C
68	1.11	220	26680C
100	0.97	350	26101C
150	0.78	470	26151C
220	0.66	730	26221C
330	0.52	1150	26331C
470	0.42	1480	26471C
680	0.28	2250	26681C

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**SURFACE MOUNT  
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**2600 Series**

<b>Inductance:</b>	3.3μH - 680μH
<b>Current:</b>	400mA - 4.6A
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	5.4mm (0.21")

12.6 x 11.6 x 5.4  
(0.496 x 0.46 x 0.21")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
3.3	4.6	33	2653R3C
4.7	3.8	38	2654R7C
6.8	3.21	43	2656R8C
10	2.65	50	265100C
12	2.55	58	265120C
15	2.45	60	265150C
18	2.32	74	265180C
22	2.2	70	265220C
33	1.8	100	265330C
47	1.5	120	265470C
68	1.26	170	265680C
100	1.05	250	265101C
150	0.85	400	265151C
220	0.7	520	265221C
330	0.57	800	265331C
470	0.48	1200	265471C
680	0.4	1780	265681C

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**SURFACE MOUNT  
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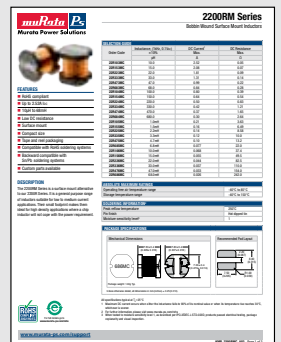
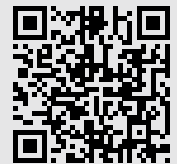
**2200RM Series**

<b>Inductance:</b>	10μH - 68mH
<b>Current:</b>	26mA - 2.52A
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	7.5mm (0.295")

7.8 x 7.0 x 7.5mm  
(0.307 x 0.276 x 0.295")

Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
10	2.52	0.05	22R103MC
15	2.08	0.07	22R153MC
22	1.81	0.09	22R223MC
33	1.31	0.14	22R333MC
47	0.99	0.22	22R473MC
68	0.84	0.28	22R683MC
100	0.8	0.39	22R104MC
150	0.64	0.54	22R154MC
220	0.5	0.83	22R224MC
330	0.42	1.21	22R334MC
470	0.37	1.65	22R474MC
680	0.3	2.64	22R684MC
1.0mH	0.21	3.63	22R105MC
1.5mH	0.16	6.49	22R155MC
2.2mH	0.14	8.58	22R225MC
3.3mH	0.12	10	22R335MC
4.7mH	0.1	13.2	22R475MC
6.8mH	0.077	22	22R685MC
10.0mH	0.068	37.4	22R106MC
15.0mH	0.055	49.5	22R156MC
22.0mH	0.044	82.5	22R226MC
33.0mH	0.037	110	22R336MC
47.0mH	0.033	154	22R476MC
68.0mH	0.026	242	22R686MC

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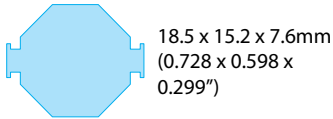


**SURFACE MOUNT  
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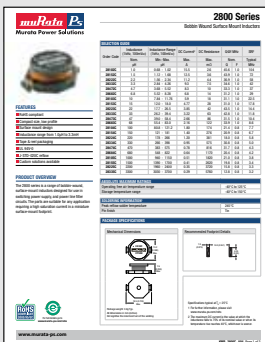
**2800 Series**

<b>Inductance:</b>	1μH - 3.3mH
<b>Current:</b>	290mA - 15.5A
<b>Operating temp:</b>	-40°C to 125°C
<b>Height:</b>	7.6mm (0.299")



Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
1	15.5	2.6	28102C
1.5	12.5	3.6	28152C
2.2	11.2	4.4	28222C
3.3	9.3	7.5	28332C
4.7	8.3	10	28472C
6.8	6.8	14	28682C
10	5.9	18	28103C
15	4.77	28	28153C
22	3.85	42	28223C
33	3.22	63	28333C
47	2.66	86	28473C
68	2.16	122	28683C
100	1.8	174	28104C
150	1.4	276	28154C
220	1.2	381	28224C
330	0.95	575	28334C
470	0.78	816	28474C
680	0.64	1170	28684C
1000	0.51	1820	28105C
1500	0.41	2620	28155C
2200	0.35	3720	28225C
3300	0.29	5760	28335C

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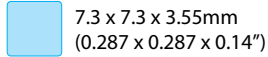


**SURFACE MOUNT  
SHIELDED**



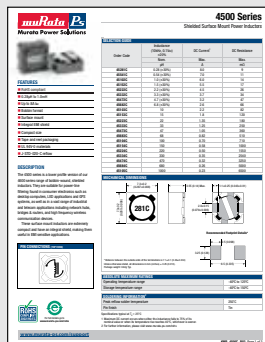
**4500 Series**

<b>Inductance:</b>	0.28μH - 1mH
<b>Current:</b>	230mA - 8A
<b>Operating temp:</b>	-40°C to 125°C
<b>Height:</b>	3.55mm (0.14")



Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.28	8	9	45281C
0.54	7	11	45541C
1	6	14	45102C
1.5	5.5	17	45152C
2.2	4.5	26	45222C
3.3	3.7	34	45332C
4.7	3.2	47	45472C
6.8	2.6	66	45682C
10	2.2	82	45103C
15	1.8	120	45153C
22	1.35	180	45223C
33	1.25	250	45333C
47	1.05	360	45473C
68	0.82	510	45683C
100	0.7	710	45104C
150	0.58	1000	45154C
220	0.5	1550	45224C
330	0.35	2540	45334C
470	0.32	3250	45474C
680	0.26	5000	45684C
1000	0.23	6500	45105C

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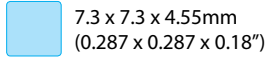


**SURFACE MOUNT  
SHIELDED**



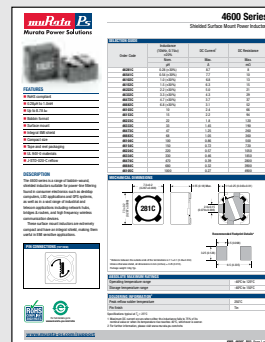
**4600 Series**

<b>Inductance:</b>	0.28μH - 1mH
<b>Current:</b>	270mA - 8.7A
<b>Operating temp:</b>	-40°C to 125°C
<b>Height:</b>	4.55mm (0.18")



Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.28	8.7	8	46281C
0.54	7.7	10	46541C
1	6.8	13	46102C
1.5	6.3	15	46152C
2.2	5	21	46222C
3.3	4.3	29	46332C
4.7	3.7	37	46472C
6.8	3.1	52	46682C
10	2.4	66	46103C
15	2.2	94	46153C
22	1.8	120	46223C
33	1.45	190	46333C
47	1.25	260	46473C
68	1.05	360	46683C
100	0.86	500	46104C
150	0.72	720	46154C
220	0.57	1050	46224C
330	0.46	1850	46334C
470	0.39	2800	46474C
680	0.32	3900	46684C
1000	0.27	4900	46105C

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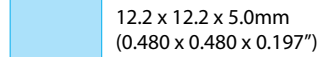


**SURFACE MOUNT  
SHIELDED**



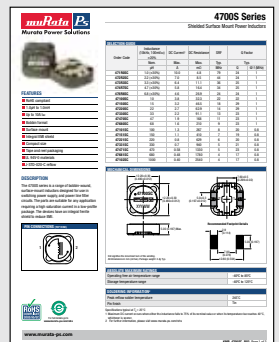
**4700S Series**

<b>Inductance:</b>	1μH - 1mH
<b>Current:</b>	400mA - 10A
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	5mm (0.197")



Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
1	10	4.8	471R0SC
2.2	7	8.5	472R2SC
3.3	6.4	11.1	473R3SC
4.7	5.8	16.4	474R7SC
6.8	4.6	26.9	476R8SC
10	3.8	32.3	47100SC
15	3.2	46.5	47150SC
22	2.7	62.9	47200SC
33	2.2	91.1	47300SC
47	1.9	168	47470SC
68	1.6	210	47680SC
100	1.3	267	47101SC
150	1.1	410	47151SC
220	0.8	629	47221SC
330	0.7	940	47331SC
470	0.58	1330	47471SC
680	0.48	1780	47681SC
1000	0.4	2540	47102SC

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**SURFACE MOUNT SHIELDED**



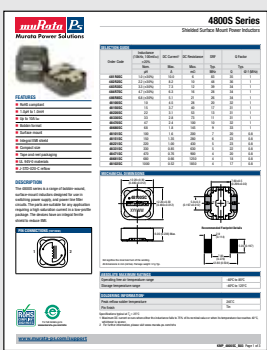
**4800S Series**

<b>Inductance:</b>	1μH - 1mH
<b>Current:</b>	520mA - 10A
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	6mm (0.236")

12.2 x 12.2 x 6.0mm  
(0.480 x 0.480 x 0.236")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
1	10	6	481R0SC
2.2	8.2	10	482R2SC
3.3	7.3	12	483R3SC
4.7	6.3	16	484R7SC
6.8	5.1	21	486R8SC
10	4.5	28	48100SC
15	3.7	40	48150SC
22	3.1	53	48220SC
33	2.8	73	48330SC
47	2.4	100	48470SC
68	1.8	145	48680SC
100	1.6	200	48101SC
150	1.35	280	48151SC
220	1	430	48221SC
330	0.85	630	48331SC
470	0.76	900	48471SC
680	0.66	1250	48681SC
1000	0.52	1850	48102SC

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**SURFACE MOUNT SHIELDED**



**4900S Series**

<b>Inductance:</b>	1μH - 1mH
<b>Current:</b>	500mA - 11.8A
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	8.0mm (0.315")

12.2 x 12.2 x 8.0mm  
(0.480 x 0.480 x 0.315")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
1	11.8	5	491R0SC
2.2	9.8	8	492R2SC
3.3	8.4	10	493R3SC
4.7	7.7	12	494R7SC
6.8	6.2	16	496R8SC
10	5.1	21	49100SC
15	4.4	27	49150SC
22	3.1	42	49220SC
33	2.9	60	49330SC
47	2.3	100	49470SC
68	2	143	49680SC
100	1.6	165	49101SC
150	1.3	250	49151SC
220	1.1	380	49221SC
330	0.9	550	49331SC
470	0.75	810	49471SC
680	0.62	1200	49681SC
1000	0.5	1500	49102SC

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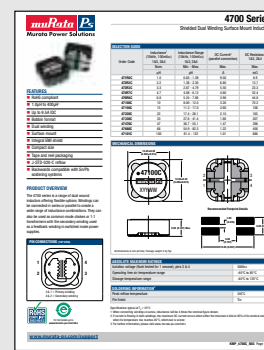
**4700 Series**

<b>Inductance:</b>	1μH - 100μH
<b>Current:</b>	1.01A - 9.5A
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	5mm (0.197")

12.2 x 12.2 x 5.0mm  
(0.480 x 0.480 x 0.197")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
1	9.5	8.9	471R0C
2.2	6.8	13.7	472R2C
3.3	5.5	23.3	473R3C
4.7	4.6	32.4	474R7C
6.8	3.9	44.8	476R8C
10	3.2	70.2	47100C
15	2.6	106	47150C
22	2.1	165	47220C
33	1.8	207	47330C
47	1.47	298	47470C
68	1.22	456	47680C
100	1.01	686	47101C

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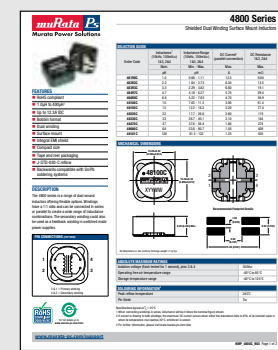
**4800 Series**

<b>Inductance:</b>	1μH - 100μH
<b>Current:</b>	Up to 12.3A <sub>DC</sub>
<b>Operating temp:</b>	-40 to 85°C
<b>Height:</b>	6.2mm (0.244")

12.2 x 12.2 x 6.2mm  
(0.480 x 0.480 x 0.244")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
1	12.3	9	481R0C
2.2	8.3	13.5	482R2C
3.3	6.8	19.1	483R3C
4.7	5.7	29.4	484R7C
6.8	4.7	39.9	486R8C
10	3.9	61.4	48100C
15	3.2	77.4	48150C
22	2.6	119	48220C
33	2.1	184	48330C
47	1.8	274	48470C
68	1.5	409	48680C
100	1.23	503	48101C

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**SURFACE MOUNT  
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**4900 Series**

<b>Inductance:</b>	2.2μH - 220μH
<b>Current:</b>	Up to 9.5A <sub>DC</sub>
<b>Operating temp:</b>	-40 to 85°C
<b>Height:</b>	8.0mm (0.315")

12.0 x 12.0 x 8.0mm  
(0.472 x 0.472 x 0.315")

**SURFACE MOUNT  
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**8300 Series**

<b>Inductance:</b>	0.42μH - 100μH
<b>Current:</b>	Up to 3A <sub>DC</sub>
<b>Operating temp:</b>	-40 to 85°C
<b>Height:</b>	1.8mm (0.071")

7.8 x 5.2 x 1.8mm  
(0.307 x 0.205 x 0.071")

**THROUGH HOLE  
UNSHIELDED**



**3200 Series**

<b>Inductance:</b>	10μH - 1mH
<b>Current:</b>	Up to 4.5A <sub>DC</sub>
<b>Operating temp:</b>	-40°C to 125°C
<b>Height:</b>	24mm (0.945")

21.5 x 10.0 x 24.0mm  
(0.846 x 0.394 x 0.945")

**THROUGH HOLE  
UNSHIELDED**



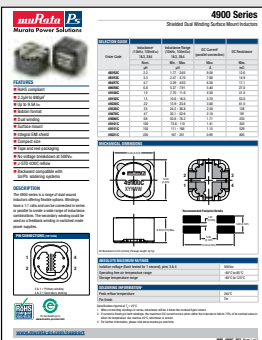
**3300 Series**

<b>Inductance:</b>	10μH - 1mH
<b>Current:</b>	Up to 7.6A <sub>DC</sub>
<b>Operating temp:</b>	-40°C to 125°C
<b>Height:</b>	31.0mm (1.22")

29.0 x 16.3 x 31.0mm  
(1.14 x 0.642 x 1.22")

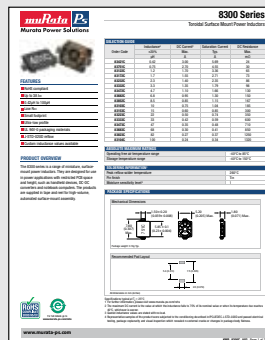
Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
2.2	9.5	12.6	492R2C
3.3	7.8	14.9	493R3C
4.7	6.5	17.1	494R7C
6.8	5.4	27	496R8C
10	4.5	41	49100C
15	3.7	53	49150C
22	3	81	49220C
33	2.5	128	49330C
47	2.1	191	49470C
68	1.71	233	49680C
100	1.41	343	49101C
150	1.15	529	49151C
220	0.95	805	49221C

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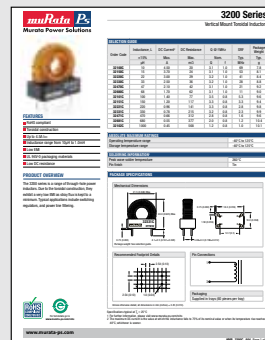
Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.42	3	24	83421C
0.75	2.7	30	83751C
1.2	1.7	65	83122C
1.7	1.55	73	83172C
2.3	1.4	86	83232C
3.3	1.35	98	83332C
4.7	1.1	130	83472C
6.8	0.95	150	83682C
8.5	0.85	167	83852C
10	0.75	185	83103C
15	0.6	300	83153C
22	0.5	350	83223C
33	0.42	600	83333C
47	0.35	710	83473C
68	0.3	850	83683C
82	0.27	1250	83823C
100	0.24	1320	83104C

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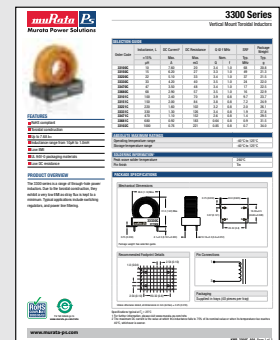
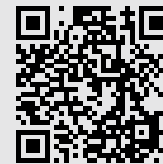
Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
10	4.5	20	32100C
15	3.7	24	32150C
22	3	29	32220C
33	2.5	36	32330C
47	2.1	42	32470C
68	1.7	62	32680C
100	1.4	77	32101C
150	1.2	117	32151C
220	0.96	141	32221C
330	0.78	215	32331C
470	0.66	312	32471C
680	0.55	377	32681C
1000	0.45	568	32102C

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Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
10	7.6	20	33100C
15	6.2	27	33150C
22	5.1	33	33220C
33	4.2	40	33330C
47	3.5	48	33470C
68	2.9	57	33680C
100	2.4	70	33101C
150	2	84	33151C
220	1.6	102	33221C
330	1.3	126	33331C
470	1.1	152	33471C
680	0.92	183	33681C
1000	0.76	221	33102C

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[www.murata-ps.com/data/magnetics/kmp\\_3300.pdf](http://www.murata-ps.com/data/magnetics/kmp_3300.pdf)

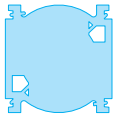


**SURFACE MOUNT  
UNSHIELDED**



**4000 Series**

<b>Inductance:</b>	3.3μH to 330μH
<b>Current:</b>	Up to 5.2A <sub>DC</sub>
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	8.76mm (0.345")



14.1 x 14.22 x 8.76mm  
(0.555 x 0.560 x 0.345")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
3.3	5.2	17	403R3C
4.7	4.4	19	404R7C
6.8	3.6	20	406R8C
10	3	23	40100C
15	2.4	30	40150C
22	2.1	35	40220C
33	1.66	54	40330C
47	1.42	79	40470C
68	1.2	148	40680C
100	0.94	177	40101C
150	0.76	273	40151C
220	0.67	405	40221C
330	0.54	610	40331C

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**SURFACE MOUNT  
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**4100 Series**

<b>Inductance:</b>	2.7μH - 330μH
<b>Current:</b>	Up to 8.1A <sub>DC</sub>
<b>Operating temp:</b>	-40 to 85°C
<b>Height:</b>	9.91mm (0.390")



16.76 x 17.53 x 9.91mm  
(0.660 x 0.690 x 0.390")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
2.7	8.1	14	412R7C
4.7	6.7	18	414R7C
6.8	5.7	20	416R8C
10	4.7	24	41100C
15	4	28	41150C
22	3.3	33	41220C
33	2.7	38	41330C
47	2.2	62	41470C
68	1.75	110	41680C
100	1.47	158	41101C
150	1.16	247	41151C
220	1.03	377	41221C
330	0.83	462	41331C

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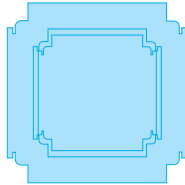


**SURFACE MOUNT  
UNSHIELDED**



**4200 Series**

<b>Inductance:</b>	1.27μH - 17.6μH
<b>Current:</b>	Up to 15.4A <sub>DC</sub>
<b>Operating temp:</b>	-40 to 125°C
<b>Height:</b>	9.9mm (0.390")



23.9 x 23.9 x 9.9mm Max.  
(0.94 x 0.94 x 0.39" Max.)

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
1.27	14.3	2.5	42132C
2.10	11.5	3.8	42212C
2.84	13.9	3.5	42282C
4.23	11.4	5.2	42422C
6.5	12.4	6.0	42652C
8.45	10.4	8.0	42842C
10.2	15.4	6.0	42103C
17.6	10.9	11.6	42183C

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**SURFACE MOUNT  
UNSHIELDED**



**4300 Series**

<b>Inductance:</b>	2.1μH - 4μH
<b>Current:</b>	Up to 22.4A <sub>DC</sub>
<b>Operating temp:</b>	-40 to 125°C
<b>Height:</b>	9.9mm (0.390")



25.4 x 28.2 x 9.91mm  
(1.0 x 1.11 x 0.390")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
2.1	21	2.22	43212C
4	22.4	3.1	43402C

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**SURFACE MOUNT  
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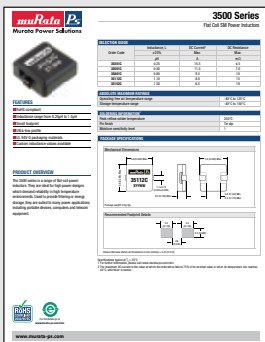
**3500 Series**

<b>Inductance:</b>	0.25μH - 1.5μH
<b>Current:</b>	Up to 15.5A <sub>DC</sub>
<b>Operating temp:</b>	-40 to 125°C
<b>Height:</b>	3.2mm (0.126")

6.8 x 6.8 x 3.2mm  
(0.268 x 0.268 x 0.126")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.25	15.5	4.5	35251C
0.5	11.5	7	35501C
0.8	9.5	10	35801C
1.1	8	15	35112C
1.5	6.5	19	35152C

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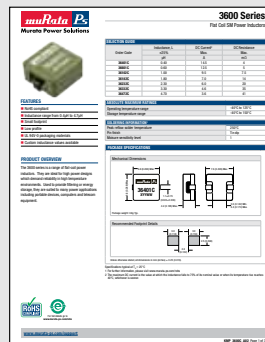
**3600 Series**

<b>Inductance:</b>	0.4μH - 4.7μH
<b>Current:</b>	Up to 14.5A <sub>DC</sub>
<b>Operating temp:</b>	-40°C to 125°C
<b>Height:</b>	4.2mm (0.165")

6.8 x 6.8 x 4.2mm  
(0.268 x 0.268 x 0.165")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.4	14.5	4	36401C
0.6	12.5	5	36601C
1.0	9.5	7.5	36102C
1.8	7.0	14	36182C
2.3	6.0	20	36232C
3.3	4.6	35	36332C
4.7	3.6	41	36472C

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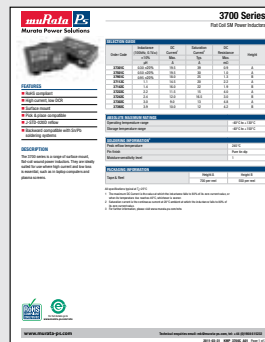
**3700 Series**

<b>Inductance:</b>	0.3μH - 3.9μH
<b>Current:</b>	Up to 19.5A <sub>DC</sub>
<b>Operating temp:</b>	-40°C to 130°C
<b>Height:</b>	6.8mm (0.268")

14.5 x 11.5 x 6.8mm Max.  
(0.571 x 0.453 x 0.268" Max.)

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.3	19.5	0.9	37301C
0.5	19.5	1	37501C
0.95	18	1.3	37951C
1.1	14.5	2.2	37112C
1.4	16	1.9	37142C
2.2	11.5	4	37222C
2.4	12	3	37242C
3	9	4.8	37302C
3.9	10	4.2	37392C

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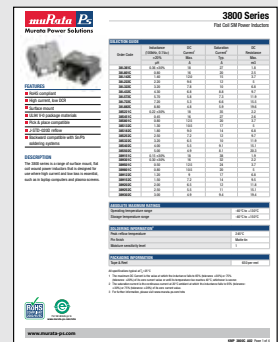
**3800 Series**

<b>Inductance:</b>	0.15μH - 8.8μH
<b>Current:</b>	Up to 18A <sub>DC</sub>
<b>Operating temp:</b>	-40°C to 130°C
<b>Height:</b>	5.6mm (0.220")

10.4 x 10.4 x 5.6mm  
(0.409 x 0.409 x 0.220")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.36	18	1.8	38L361C
0.80	16	2.5	38L801C
1.40	12	3.7	38L142C
2.20	9.6	5	38L222C
3.20	7.8	6.8	38L322C
4.30	6.8	9.7	38L432C
5.70	5.8	11.9	38L572C
7.20	5.3	15.5	38L722C
8.80	4.8	19.6	38L882C
0.22	18	2.2	38S221C
0.45	16	2.6	38S451C
0.80	12.5	3.7	38S801C
1.30	10.5	5	38S132C
1.80	9	6.8	38S182C
2.50	7.2	9.7	38S252C
3.20	6.5	11.9	38S322C
4.00	5.5	15.1	38S402C
5.00	4.9	20.3	38S502C
0.15	18	1.9	38H151C
0.30	16	2.2	38H301C
0.50	12.5	3.7	38H501C
0.80	10.5	5	38H801C
1.20	9	6.8	38H122C
1.50	7.2	9.5	38H152C
2.00	6.5	11.8	38H202C
2.50	5.5	15.1	38H252C
3.00	4.9	19.4	38H302C

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UNSHIELDED**



**3900 Series**

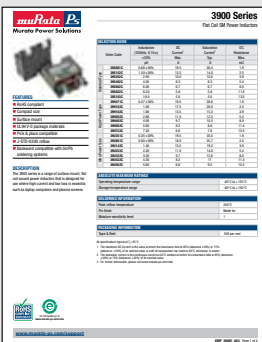
<b>Inductance:</b>	0.35μH to 10μH
<b>Current:</b>	Up to 19.5A <sub>DC</sub>
<b>Operating temp:</b>	-40°C to 125°C
<b>Height:</b>	5.8mm (0.228")

12.9 x 12.9 x 5.8mm  
(0.508 x 0.508 x 0.228")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.68	19.5	1.9	39S681C
1.50	13.5	2.5	39S152C
2.50	10	3.9	39S252C
4.00	8.3	5.4	39S402C
6.00	6.7	8	39S602C
8.20	5.8	11.4	39S822C
10.0	5	13.5	39S103C
0.47	19.5	1.9	39H471C
1.00	17.5	2.5	39H102C
1.80	13.5	3.9	39H182C
2.80	11	5.4	39H282C
4.00	9.7	8	39H402C
5.60	8.2	11.4	39H562C
7.20	6.6	13.5	39H722C
0.35	19.5	1.9	39U351C
0.80	18	2.5	39U801C
1.40	13.5	3.9	39U142C
2.20	11	5.4	39U222C
3.20	9.7	8	39U322C
4.30	8.2	11.4	39U432C
5.60	6.6	13.5	39U562C

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**SURFACE MOUNT  
UNSHIELDED**



**6000A Series**

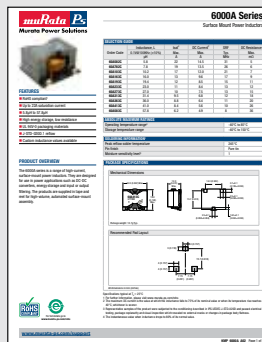
<b>Inductance:</b>	5.8μH - 57.8μH
<b>Current:</b>	Up to 14.5A <sub>DC</sub>
<b>Operating temp:</b>	-40 to 85°C
<b>Height:</b>	12mm (0.472")

22 x 19 x 12mm  
(0.867 x 0.748 x 0.472")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
5.8	14.5	5	60A582C
7.8	13.5	6	60A782C
10.2	12	7	60A103C
16.0	9.6	9	60A163C
19.4	8.5	11	60A193C
23.0	8.4	12	60A233C
27.0	7.5	15	60A273C
31.4	6.8	18	60A313C
36.0	6.4	20	60A363C
41.0	5.6	26	60A413C
57.8	4.9	36	60A583C

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**SURFACE MOUNT  
UNSHIELDED**



**6000B Series**

<b>Inductance:</b>	47μH - 680μH
<b>Current:</b>	Up to 10.5A <sub>DC</sub>
<b>Operating temp:</b>	-40°C to 85°C
<b>Height:</b>	20mm (0.787")

23.5 x 27 x 20mm  
(0.925 x 1.063 x 0.787")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
47	10.5	13	60B473C
68	9.0	17	60B683C
100	7.5	25	60B104C
150	6.0	38	60B154C
220	5.0	50	60B224C
330	4.0	80	60B334C
470	3.5	100	60B474C
680	3.0	135	60B684C

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**SURFACE MOUNT  
SHIELDED**



**3000A Series**

<b>Inductance:</b>	80nH - 191nH
<b>Current:</b>	Up to 37A <sub>DC</sub>
<b>Operating temp:</b>	-40°C to 130°C
<b>Height:</b>	4.96mm (0.195")

7.1 x 7.0 x 4.96mm  
(0.280 x 0.276 x 0.195")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.080	37	0.19	30800AC
0.097	36	0.2	30101AC
0.145	29	0.19	30151AC
0.191	22	0.21	30201AC

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**3000B Series**

<b>Inductance:</b>	85nH - 200nH
<b>Current:</b>	Up to 37A <sub>DC</sub>
<b>Operating temp:</b>	-40°C to 130°C
<b>Height:</b>	4.96mm (0.195")

10.2 x 7.0 x 4.96mm  
(0.402 x 0.276 x 0.195")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.085	37	0.29	30850BC
0.100	37	0.29	30101BC
0.114	37	0.29	30121BC
0.154	37	0.29	30151BC
0.200	29	0.29	30221BC

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# Common-Mode Chokes

**SURFACE MOUNT  
TOROIDAL**



**5000 Series**

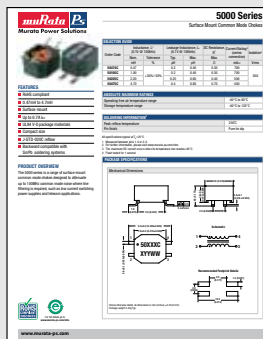
<b>Inductance:</b>	0.47mH - 4.7mH
<b>Current:</b>	Up to 0.7A <sub>DC</sub>
<b>Operating temp:</b>	-40 to 85°C
<b>Height:</b>	4.4mm (0.173")



9.3 x 5.9 x 4.4mm  
(0.366 x 0.232 x 0.173")

Inductance	Current	DC Resistance	Model Number
mH	mA	Ω	
0.47	700	0.30	50474C
1.00	700	0.30	50105C
2.20	500	0.40	50225C
4.70	400	0.70	50475C

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**THROUGH HOLE  
TOROIDAL**



**5100 Series**

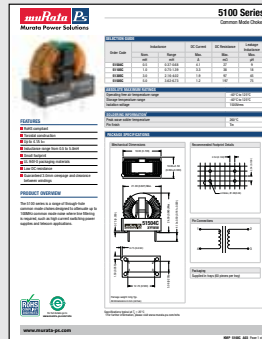
<b>Inductance:</b>	0.5mH - 5.0mH
<b>Current:</b>	Up to 4.1A <sub>DC</sub>
<b>Operating temp:</b>	-40°C to 125°C
<b>Height:</b>	24mm (0.945")



18.0 x 10.0 x 24mm  
(0.709 x 0.394 x 0.945")

Inductance	Current	DC Resistance	Model Number
mH	A	mΩ	
0.5	4.1	27	51504C
1.0	3.3	38	51105C
3.0	1.9	97	51305C
5.0	1.2	197	51505C

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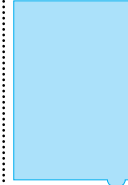


**THROUGH HOLE  
TOROIDAL**



**5200 Series**

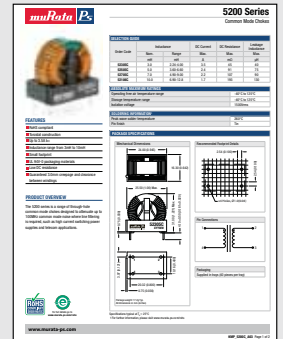
<b>Inductance:</b>	3.0mH - 10mH
<b>Current:</b>	Up to 3.5A <sub>DC</sub>
<b>Operating temp:</b>	-40°C to 125°C
<b>Height:</b>	31mm (1.22")



24.0 x 16.3 x 31mm  
(0.945 x 0.642 x 1.22")

Inductance	Current	DC Resistance	Model Number
mH	A	mΩ	
3.0	3.5	45	52305C
5.0	2.4	91	52505C
7.0	2.2	107	52705C
10.0	1.7	193	52106C

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General Purpose Pulse Transformers

**THROUGH HOLE**  
**GENERAL PURPOSE PULSE TRANSFORMERS**



**766 Series**

<b>Inductance:</b>	Up to 11.7mH
<b>Isolation Voltage Max:</b>	500Vrms
<b>Operating temp:</b>	0°C to +70°C
<b>Height:</b>	6.35mm (0.250")

12.7 x 8.89 x 6.35mm  
(0.500 x 0.350 x 0.250")

Model Number	Turns Ratio ±2%	Min. Primary Inductance	Min. Primary Constant, ET	Max. Leakage Inductance	Max. Interwinding Capacitance	Max. DC Resistance
		μH	Vμs	μH	pF	Ω
76600/1C	1:1	1916	17.5	0.60	49	1.50
76600/2C	1:1	492	8.5	0.30	22	0.80
76600/3C	1:1	219	5.5	0.25	14	0.50
76600/4C	1:1	50	4.0	0.20	10	0.40
76601/1C	1:1	1916	17.5	0.60	49	1.50
76601/2C	1:1	492	8.5	0.30	22	0.80
76601/3C	1:1	219	5.5	0.25	12	0.50
76601/20C	1:1	20.1	2.5	0.20	5	0.20
76601/23C	1:1	938	10.5	0.20	35	0.20
76601/24C	1:1	11.7mH	50.5	0.40	250	1.35
76602/1C	1:1:1	2060	17.5	0.60	72	1.50
76615/1C	1CT:1CT	3200	45	2.00	52	1.00
76616/3C	2CT:1CT	4350	23	3.00	35	1.00

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**THROUGH HOLE**  
**GENERAL PURPOSE PULSE TRANSFORMERS**



**786 Series**

<b>Primary Inductance:</b>	Up to 10mH
<b>Isolation Voltage:</b>	1000Vrms
<b>Operating temp:</b>	0°C to +70°C
<b>Height:</b>	6.35mm (0.250")

9.0 x 9.52 x 6.35mm  
(0.354 x 0.375 x 0.250")

Model Number	Turns Ratio	Min. Primary Inductance	Min. Primary Constant, ET	Typ. Leakage Inductance	Typ. Interwinding Capacitance	Max. Primary DC Resistance
		μH	Vμs	μH	pF	Ω
78601/4C	1:1	67	4	0.19	8	0.17
78601/3C	1:1	200	6	0.2	14	0.25
78601/2C	1:1	500	10	0.25	22	0.34
78601/8C	1:1	1000	15	0.29	35	0.45
78601/1C	1:1	2000	20	0.47	49	0.6
78601/16C	1:1	4000	28	0.47	78	0.84
78601/9C	1:1	10000	56	0.86	121	1.3
78602/4C	1:1:1	67	4	0.11	12	0.18
78602/3C	1:1:1	200	6	0.17	19	0.24
78602/2C	1:1:1	500	10	0.27	32	0.34
78602/8C	1:1:1	1000	15	0.35	47	0.46
78602/1C	1:1:1	2000	20	0.6	72	0.66
78602/16C	1:1:1	4000	28	0.71	116	0.92
78602/9C	1:1:1	10000	56	0.71	167	1.34
78604/4C	2:1	67	4	0.41	4	0.18
78604/3C	2:1	200	6	0.49	9	0.25
78604/2C	2:1	500	10	0.65	13	0.34
78604/8C	2:1	1000	15	0.76	20	0.46
78604/1C	2:1	2000	20	0.99	29	0.6
78604/16C	2:1	4000	28	1.61	50	0.85
78604/9C	2:1	10000	56	1.64	72	1.23
78613/4C	1CT:1	67	4	0.3	7	0.2
78613/3C	1CT:1	200	6	0.65	12	0.25
78613/2C	1CT:1	500	10	1.07	20	0.36
78613/8C	1CT:1	1000	15	1.13	35	0.48
78613/1C	1CT:1	2000	20	1.53	47	0.63
78613/16C	1CT:1	4000	28	1.98	64	0.88
78613/9C	1CT:1	10000	56	3.83	72	1.33
78615/4C	1CT:1CT	67	4	1.21	3	0.17
78615/3C	1CT:1CT	200	6	3.64	5	0.24
78615/2C	1CT:1CT	500	10	6.86	7	0.34
78615/8C	1CT:1CT	1000	15	11.9	10	0.45
78615/1C	1CT:1CT	2000	20	16	16	0.6
78615/16C	1CT:1CT	4000	28	37.7	20	0.87
78615/9C	1CT:1CT	10000	56	44.5	19	1.33

**Download full datasheet:**  
[www.murata-ps.com/data/magnetics/kmp\\_786.pdf](http://www.murata-ps.com/data/magnetics/kmp_786.pdf)





**THROUGH HOLE**  
**GENERAL PURPOSE PULSE TRANSFORMERS**



**786J Series**

<b>Inductance:</b>	Up to 10mH
<b>Isolation Voltage Max:</b>	1000Vrms
<b>Operating temp:</b>	-40°C to +85°C
<b>Height:</b>	6.35mm (0.250")



12.7 x 9.00 x 6.35mm  
(0.500 x 0.354 x 0.250")

Model Number	Turns Ratio	Min. Primary Inductance	Min. Primary Constant, ET	Typ. Leakage Inductance	Typ. Interwinding Capacitance	Max. Primary DC Resistance
		μH	Vμs	μH	pF	Ω
78601/4JC	1:1	58	4	0.19	8	0.17
78601/3JC	1:1	150	6	0.2	14	0.25
78601/2JC	1:1	350	10	0.25	22	0.34
78601/8JC	1:1	850	15	0.29	35	0.45
78601/1JC	1:1	2000	20	0.47	49	0.6
78601/16JC	1:1	3650	28	0.69	78	0.84
78601/9JC	1:1	10000	56	0.93	121	1.3
78602/4JC	1:1:1	53	4	0.11	12	0.18
78602/3JC	1:1:1	180	6	0.17	19	0.24
78602/2JC	1:1:1	380	10	0.27	32	0.34
78602/8JC	1:1:1	970	15	0.37	47	0.46
78602/1JC	1:1:1	1890	20	0.65	72	0.66
78602/16JC	1:1:1	3350	28	0.71	116	1.2
78602/9JC	1:1:1	10000	56	0.71	167	1.8
78604/4JC	2:1	65	4	0.41	4	0.18
78604/3JC	2:1	160	6	0.49	9	0.25
78604/2JC	2:1	500	10	0.65	13	0.34
78604/8JC	2:1	850	15	0.76	20	0.46
78604/1JC	2:1	1840	20	0.99	29	0.6
78604/16JC	2:1	3300	28	1.61	50	0.85
78604/9JC	2:1	10000	56	2.3	72	1.23
78613/4JC	1CT:1	50	4	0.3	7	0.2
78613/3JC	1CT:1	190	6	0.65	12	0.25
78613/2JC	1CT:1	490	10	1.07	20	0.36
78613/8JC	1CT:1	980	15	1.13	35	0.48
78613/1JC	1CT:1	2000	20	1.7	47	0.63
78613/16JC	1CT:1	3200	28	2.8	64	0.88
78613/9JC	1CT:1	10000	56	3.83	72	1.33
78615/4JC	1CT:1CT	65	4	1.21	3	0.17
78615/3JC	1CT:1CT	190	6	3.64	5	0.24
78615/2JC	1CT:1CT	500	10	6.86	7	0.34
78615/8JC	1CT:1CT	1000	15	11.9	10	0.45
78615/1JC	1CT:1CT	1700	20	16	16	0.6
78615/16JC	1CT:1CT	3700	28	37.7	20	0.92
78615/9JC	1CT:1CT	10000	56	52.5	19	1.45

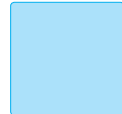
**Download full datasheet:**  
[www.murata-ps.com/data/magnetics/kmp\\_786j.pdf](http://www.murata-ps.com/data/magnetics/kmp_786j.pdf)

**THROUGH HOLE**  
**GENERAL PURPOSE PULSE TRANSFORMERS**



**1000 Series**

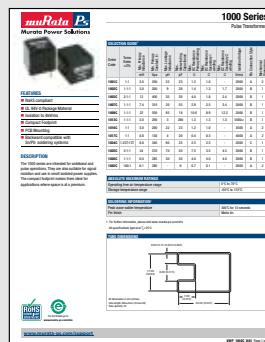
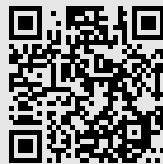
<b>Inductance:</b>	Up to 8.8mH
<b>Isolation Voltage Max:</b>	4000Vrms
<b>Operating temp:</b>	0°C to +70°C
<b>Height:</b>	15.75mm (0.620")



15.06 x 15.06 x 15.75mm  
(0.593 x 0.593 x 0.620")

Model Number	Turns Ratio ±2%	Min. Primary Inductance	Min. Primary Constant, ET	Max. Leakage Inductance	Max. Interwinding Capacitance	Max. Primary DC Resistance
		mH	Vμs	μH	pF	Ω
1001C	1:1	3.0	200	22	23	1.2
1002C	1:1:1	3.0	200	9	28	1.4
1003C	2:1:1	12	400	35	30	4
1007C	1:1:1	7.4	310	20	55	2.9
1009C	1:1:1	22	550	85	18	10.6
1013C	1:1:1	3.0	200	3	280	1.3
1016C	1:1	3.0	200	22	23	1.2
1017C	1:1	0.8	130	4	20	0.4
1024C	1.2CT:1CT	8.8	340	60	25	2.5
1025C	2:1:1	24	570	70	20	7.5
1026C	1:1:1	6.0	285	30	30	4
1082C	100:1	6.1	280	-	6	0.7

**Download full datasheet:**  
[www.murata-ps.com/data/magnetics/kmp\\_1000.pdf](http://www.murata-ps.com/data/magnetics/kmp_1000.pdf)



**THROUGH HOLE**  
**GENERAL PURPOSE PULSE TRANSFORMERS**



**772 Series**

<b>Inductance:</b>	Up to 16.3mH
<b>Isolation Voltage Max:</b>	Up to 4000Vrms
<b>Operating temp:</b>	0°C to +70°C
<b>Height:</b>	12.3mm (0.484")



20.3 x 25.4 x 12.3mm  
(0.799 x 1.0 x 0.484")

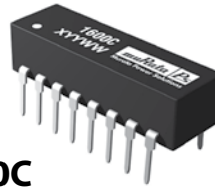
Model Number	Turns Ratio	Min. Primary Inductance	Min. Primary Constant, ET	Max. Leakage Inductance	Max. Interwinding Capacitance	Max. Primary DC Resistance
		mH	Vμs	μH	pF	Ω
77201C	1:1	1.0	120	2.0	50	0.25
77202C	1:1:1	1.0	120	3.0	40	0.25
77203C	2:1:1	1.0	120	3.5	30	0.24
77203HVC	2:1:1	1.0	120	3.5	30	0.24
77204C	1:1	4.0	240	5.0	55	0.86
77205C	1:1:1	4.0	240	11	35	0.90
77205SC	1:1:1	4.0	240	11	18	0.90
77206C	2:1:1	4.0	240	11	35	0.84
77207C	1:1	16.3	482	18	65	3.50
77208C	1:1:1	16.3	482	40	40	3.60
77209C	2:1:1	16.3	482	40	40	3.50

**Download full datasheet:**  
[www.murata-ps.com/data/magnetics/kmp\\_772.pdf](http://www.murata-ps.com/data/magnetics/kmp_772.pdf)

Application-Specific Transformers

# Transformers

**THROUGH HOLE**  
**APPLICATION-SPECIFIC TRANSFORMERS**

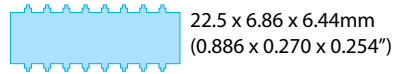


Quad Data-Bus Isolators

**1600C & 1630C**

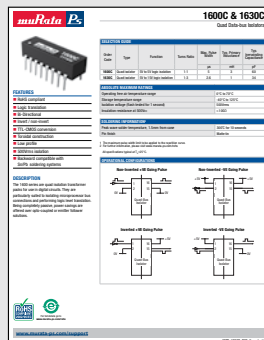
**Features:**

Logic translation	TTL-CMOS conversion
Bi-directional	Toroidal construction
Invert / non-invert	500Vrms isolation
<b>Height:</b>	6.44mm (0.254")

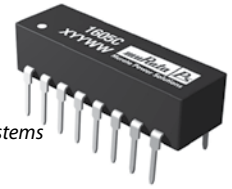


Model Number	Logic Isolation	Turns Ratio	Max. Pulse Width		Typ. Primary Inductance	Typ. Interwinding Capacitance
			μs	mH		
1600C	5V to 5V	1:1	5	3	60	
1630C	5V to 15V	1:3	2.6	1	34	

**Download full datasheet:**  
[www.murata-ps.com/data/magnetics/kmp\\_1600.pdf](http://www.murata-ps.com/data/magnetics/kmp_1600.pdf)



**THROUGH HOLE**  
**APPLICATION-SPECIFIC TRANSFORMERS**

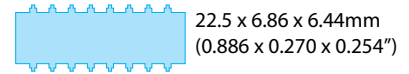


Lan-Pak for CSMA/CD Systems

**1605C**

**Features:**

500Vrms isolation	
Industry-standard footprint	
Compatible with standard networks	
<b>Height:</b>	6.44mm (0.254")



Model Number	Turns Ratio	Min. Primary Inductance	Max. DC Resistance	Min. ET Constant	Max. Leakage Inductance	Max. Interwinding Capacitance
		μH	Ω	Vμs	μH	pF
1605C	1:1	26.0	0.2	1.8	0.2	8

**Download full datasheet:**  
[www.murata-ps.com/data/magnetics/kmp\\_1605.pdf](http://www.murata-ps.com/data/magnetics/kmp_1605.pdf)



**THROUGH HOLE**  
**APPLICATION-SPECIFIC TRANSFORMERS**



MAX250/MAX251 Compatible

**78250 Series**

**Features:**

- MAX250/MAX251 compatible
- Isolation to 4kVrms
- Industry-standard pinout

**Height:** 6.35mm (0.250")

9.52 x 9.0 x 6.35mm  
(0.375 x 0.354 x 0.250")

Model Number	Turns Ratio ±2%	Min. Primary Inductance	Min. Primary Constant ET	Max. Leakage Inductance	Typ. Interwinding Capacitance	Max. Primary DC Resistance
		mH	Vμs	μH	pF	Ω
78250C	1CT:1CT	1.0	50	3.0	69	2.0
78250VC	1CT:1CT	1.0	50	40	9	1.8

**Download full datasheet:**

[www.murata-ps.com/data/magnetics/kmp\\_78250.pdf](http://www.murata-ps.com/data/magnetics/kmp_78250.pdf)



**SURFACE MOUNT**  
**APPLICATION-SPECIFIC TRANSFORMERS**



MAX250/MAX251 Compatible

**78250J Series**

**Features:**

- Maxim MAX250/MAX251 compatible
- Isolation to 4kVrms
- Surface mount option

**Height:** 6.35mm (0.250")

12.7 x 9.0 x 6.35mm  
(0.500 x 0.354 x 0.250")

Model Number	Turns Ratio ±2%	Min. Primary Inductance	Min. Primary Constant ET	Max. Leakage Inductance	Typ. Interwinding Capacitance	Max. Primary DC Resistance
		mH	Vμs	μH	pF	Ω
78250JC	1CT:1CT	1.0	50	3.0	48	2.0
78250JVC	1CT:1CT	1.0	50	40	4	1.8

**Download full datasheet:**

[www.murata-ps.com/data/magnetics/kmp\\_78250j.pdf](http://www.murata-ps.com/data/magnetics/kmp_78250j.pdf)



**THROUGH HOLE**  
**APPLICATION-SPECIFIC TRANSFORMERS**



MAX253 Compatible

**78253 Series**

**Features:**

- Maxim MAX253 compatible
- 3.3V and 5V versions
- Isolation to 4kVDC

**Height:** 6.35mm (0.250")

9.52 x 9.0 x 6.35mm  
(0.375 x 0.354 x 0.250")

Model Number	Turns Ratio ±2%	Min. Primary Inductance	Min. Primary Constant ET	Max. Leakage Inductance	Typ. Interwinding Capacitance	Max. Primary DC Resistance
		mH	Vμs	μH	pF	Ω
78253/35C	1:2.27	0.30	30	1.00	30	1.00
78253/55C	1:1.31	0.60	40	1.00	30	1.50
78253/35VC	1:2.14	110	18	5.00	4.20	0.50
78253/55VC	1:1.33	190	25	8.00	4.20	0.60

**Download full datasheet:**

[www.murata-ps.com/data/magnetics/kmp\\_78253.pdf](http://www.murata-ps.com/data/magnetics/kmp_78253.pdf)



**SURFACE MOUNT**  
**APPLICATION-SPECIFIC TRANSFORMERS**



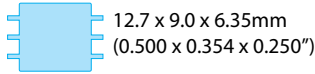
MAX253 Compatible

**78253J Series**

**Features:**

- Maxim MAX253 compatible
- 3.3V and 5V versions
- Isolation to 4kVDC

**Height:** 6.35mm (0.250")



Model Number	Turns Ratio ±2%	Min. Primary Inductance	Min. Primary Constant, ET	Max. Leakage Inductance	Typ. Interwinding Capacitance	Max. Primary DC Resistance
		mH	Vμs	μH	pF	Ω
78253/35JC	1:2.27	0.27	30	1.00	24	1.00
78253/55JC	1:1.31	0.57	40	1.00	30	1.50
78253/35JVC	1:2.14	0.11	18	5.00	2	0.50
78253/55JVC	1:1.33	0.17	25	8.00	3.4	0.60

**Download full datasheet:**

[www.murata-ps.com/data/magnetics/kmp\\_78253j.pdf](http://www.murata-ps.com/data/magnetics/kmp_78253j.pdf)



**THROUGH HOLE**  
**APPLICATION-SPECIFIC TRANSFORMERS**



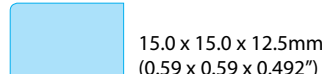
EN Approved  
MAX250/MAX251/253

**76250ENC,  
76253/XXENC**

**Features:**

- Maxim MAX250/MAX251/MAX253 compatible
- BS EN 60950 approved
- Isolation to 6kVDC

**Height:** 12.5mm (0.492")



Model Number	Turns Ratio ±2%	Min. Primary Inductance	Min. Primary Constant, ET	Max. Leakage Inductance	Typ. Interwinding Capacitance	Max. Primary DC Resistance
		mH	Vμs	μH	pF	Ω
78250ENC	1CT:1	1.0	50	40	1.5	2.0
78253/35ENC	1:√5	0.14	25	7.0	2.7	0.8
78253/55ENC	1:1.33	0.08	30	10	2.7	0.9

**Download full datasheet:**

[www.murata-ps.com/data/magnetics/kmp\\_7625xen.pdf](http://www.murata-ps.com/data/magnetics/kmp_7625xen.pdf)



**THROUGH HOLE**  
**APPLICATION-SPECIFIC TRANSFORMERS**



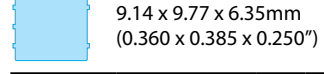
ADM2482E/  
ADM2487E  
Compatible

**782482 Series**

**Features:**

- Analog Devices ADM2482E/ADM2487E compatible
- 4.0kVDC isolation
- Industry-standard pinout

**Height:** 6.35mm (0.250mm)



Model Number	Turns Ratio ±2%	Min. Primary Inductance	Min. Primary Constant, ET	Max. Leakage Inductance	Max. Interwinding Capacitance	Max. Primary DC Resistance
		μH	Vμs	μH	pF	mΩ
782482/33VC	1CT:1.33CT	190	13	8	8	600
782482/53VC	1.14CT:1CT	150	13	8	8	600

**Download full datasheet:**

[www.murata-ps.com/data/magnetics/kmp\\_782482.pdf](http://www.murata-ps.com/data/magnetics/kmp_782482.pdf)



**THROUGH HOLE**  
**APPLICATION-SPECIFIC TRANSFORMERS**



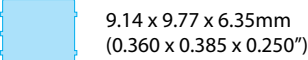
ADM2485 Compatible

**782485 Series**

**Features:**

- Analog Devices ADM2485 compatible
- 2.5kVrms isolation
- Industry-standard pinout

**Height:** 6.35mm (0.250")



Model Number	Turns Ratio ±2%	Typ. Primary Inductance	Typ. Primary Constant, ET	Typ. Leakage Inductance	Max. Interwinding Capacitance	Max. Primary DC Resistance
		µH	Vµs	nH	pF	mΩ
782485/35C	1CT:2.2CT	234	12	168	50	500
782485/55C	1CT:1.5CT	513	19	192	50	600

**Download full datasheet:**

[www.murata-ps.com/data/magnetics/kmp\\_782485c.pdf](http://www.murata-ps.com/data/magnetics/kmp_782485c.pdf)



**THROUGH HOLE**  
**APPLICATION-SPECIFIC TRANSFORMERS**



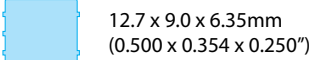
For Digital Audio

**DA100 Series**

**Features:**

- Compatible with leading chip sets
- 2kVrms isolation
- Industry-standard pinout

**Height:** 6.35mm (0.250")



**Selection Guide**

Order Code	Turns Ratio	Primary Inductance	Max. Leakage Inductance (100kHz, 10mV)	Min. Volt-time Product, ET	Min. Return Loss (100kHz-3MHz)	Typ. Common Mode Rejection (100kHz, 1100)	Isolation (Flash tested for 1 second)
		mH	µH	Vµs	dB	dB	
DA101C	1:1	1.00 - 2.06	0.22	15	46.80	52.10	2000
DA102C	1:1	2.00 - 3.90	0.39	20	40.40	49.70	
DA103C	1:1	4.00 - 7.75	0.91	28	36.30	46.40	

**Download full datasheet:**

[www.murata-ps.com/data/magnetics/kmp\\_da100.pdf](http://www.murata-ps.com/data/magnetics/kmp_da100.pdf)



**SURFACE MOUNT**  
**APPLICATION-SPECIFIC TRANSFORMERS**



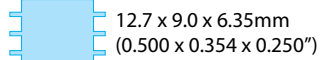
For Digital Audio

**DA100J Series**

**Features:**

- J-STD-020D reflow
- Compatible with leading chip sets
- 2kVrms isolation

**Height:** 6.35mm (0.250")



**Selection Guide**

Order Code	Turns Ratio	Primary Inductance	Max. Leakage Inductance (100kHz, 10mV)	Min. Volt-time Product, ET	Min. Return Loss (100kHz-3MHz)	Typ. Common Mode Rejection (100kHz, 1100)	Isolation (Flash tested for 1 second)
		mH	µH	Vµs	dB	dB	
DA101JC	1:1	1.00 - 2.20	0.36	15	34.6	55.9	2000
DA102JC	1:1	1.90 - 4.00	0.49	20	38.8	52.4	
DA103JC	1:1	3.20 - 8.50	0.91	28	34.9	48.5	

**Download full datasheet:**

[www.murata-ps.com/data/magnetics/kmp\\_da100j.pdf](http://www.murata-ps.com/data/magnetics/kmp_da100j.pdf)





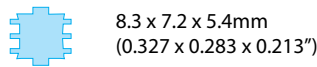
Current-Sensing Transformers

**SURFACE MOUNT**  
**CURRENT-SENSING TRANSFORMERS**



**5300 Series**

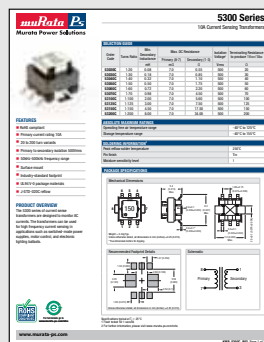
- Features:**
- Primary current rating 10A
  - 20 to 200 turn variants
  - Primary to secondary isolation 500Vrms
- Height:** 5.4mm (0.213")



**Selection Guide**

Order Code	Turns Ratio	Min. Secondary Inductance	Max. DC Resistance		Isolation Voltage <sup>1</sup>	Terminating Resistance to produce 1VOUT/1AIN
			Primary (8-7)	Secondary (1-3)		
			mH	mΩ		
53020C	1:20	0.08	7.0	0.55	500	20
53030C	1:30	0.18	7.0	0.85	500	30
53040C	1:40	0.32	7.0	1.10	500	40
53050C	1:50	0.50	7.0	1.75	500	50
53060C	1:60	0.72	7.0	2.20	500	60
53070C	1:70	0.98	7.0	4.50	500	70
53100C	1:100	2.00	7.0	5.60	500	100
53125C	1:125	3.00	7.0	7.50	500	125
53150C	1:150	4.50	7.0	17.50	500	150
53200C	1:200	8.00	7.0	34.00	500	200

**Download full datasheet:**  
[www.murata-ps.com/data/magnetics/kmp\\_5300c.pdf](http://www.murata-ps.com/data/magnetics/kmp_5300c.pdf)

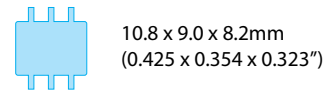


**SURFACE MOUNT**  
**CURRENT-SENSING TRANSFORMERS**



**5400 Series**

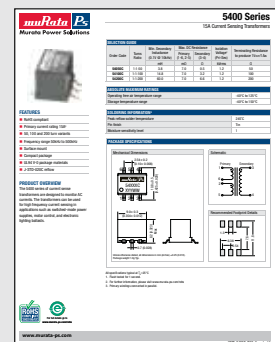
- Features:**
- Primary current rating 15A
  - 50, 100 and 200 turn variants
  - Frequency range 50kHz to 500kHz
- Height:** 8.2mm (0.323")



**Selection Guide**

Order Code	Turns Ratio	Min. Secondary Inductance (0.1V @ 10kHz)	Max. DC Resistance		Isolation Voltage <sup>1</sup> (Pri-Sec)	Terminating Resistance to produce 1VOUT/1AIN
			Primary (1-6, 2-5)	Secondary (3-4)		
			mH	mΩ		
54050C	1:1:50	3.8	7.0	0.5	1.2	50
54100C	1:1:100	14.8	7.0	3.2	1.2	100
54200C	1:1:200	60.0	7.0	6.6	1.2	200

**Download full datasheet:**  
[www.murata-ps.com/data/magnetics/kmp\\_5400c.pdf](http://www.murata-ps.com/data/magnetics/kmp_5400c.pdf)

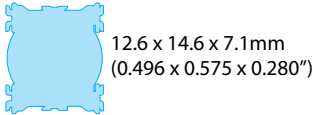


**SURFACE MOUNT**  
**CURRENT-SENSING TRANSFORMERS**



**5500 Series**

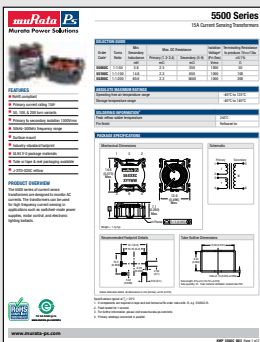
- Features:**
- Primary current rating 15A
  - 50, 100, & 200 turn variants
  - Primary to secondary isolation 1000Vrms
- Height:** 7.1mm (0.280")



**Selection Guide**

Order Code	Turns Ratio	Min. Secondary Inductance mH	Max. DC Resistance		Isolation Voltage (Pri-Sec) Vrms	Terminating Resistance to Produce 1VOUT/1AIN Ω
			Primary (1-3-2,4) mΩ	Secondary (5-6) mΩ		
55050C	1:1:50	3.8	2.3	350	1000	50
55100C	1:1:100	14.8	2.3	850	1000	100
55200C	1:1:200	60.0	2.3	3600	1000	200

**Download full datasheet:**  
[www.murata-ps.com/data/magnetics/kmp\\_5500c.pdf](http://www.murata-ps.com/data/magnetics/kmp_5500c.pdf)

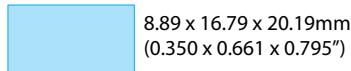


**THROUGH HOLE**  
**CURRENT-SENSING TRANSFORMERS**



**5600 Series**

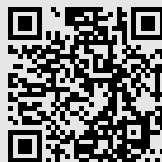
- Features:**
- 50, 100, 200 & 300 Turn variants
  - Primary current rating 10A
  - 20kHz-200kHz frequency range
- Height:** 20.19mm (0.795")



**Selection Guide**

Order Code	Number of Turns	Inductance Min. Pins 1&3	DC Resistance Pins 1&3, Ω	Terminating Resistance to Produce 1VOUT/1AIN Ω
56050C	50	4.5mH @1V, 50kHz	0.133 - 0.199	50
56100C	100	18mH @1V, 50kHz	0.93 - 1.40	100
56200C	200	72mH @1V, 10kHz	1.87 - 2.81	200
56300C	300	160mH @1V, 10kHz	5.73 - 8.59	300
56T100C	100CT	18mH @1V, 50kHz	0.93 - 1.40	100
56T200C	200CT	72mH @1V, 10kHz	1.87 - 2.81	200
56T300C	300CT	160mH @1V, 10kHz	5.73 - 8.59	300

**Download full datasheet:**  
[www.murata-ps.com/data/magnetics/kmp\\_5600.pdf](http://www.murata-ps.com/data/magnetics/kmp_5600.pdf)



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