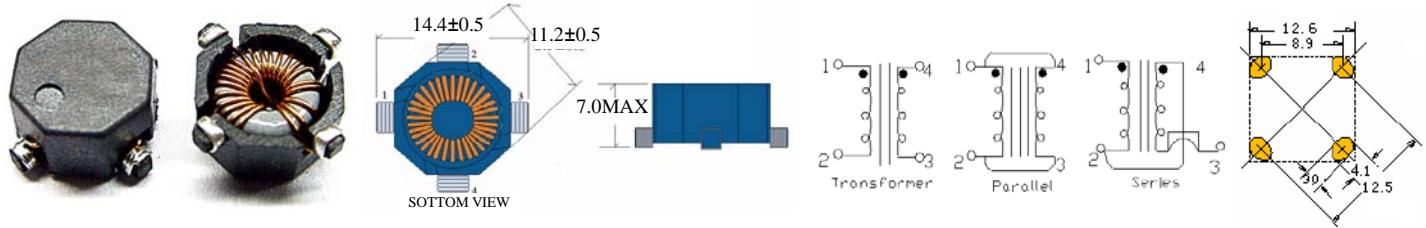


# SCX147

## SMD TOROIDAL INDUCTORS / TRANSFORMERS



### • Features

1. Excellent Power Density.
2. Engineered to Provide High Efficiency through Toroidal Design.
3. Low EMI Radiation.
4. Available in a wide Current Range of 0.31 to 7.0ADC.



## ELECTRICAL CHARACTERISTICS

Part Number	PARALLEL				SERIES			
	Open Circuit Inductance uH+/-20%	Full Load Inductance uH min	Full Load Current Adc	DC Resistance ohms max.	Open Circuit Inductance uH+/-20%	Full Load Inductance uH min	Full Load Current Adc	DC Resistance ohms max.
SCX147-0R47	0.47	0.32	7.00	0.004	1.76	1.29	3.50	0.016
SCX147-0R8	0.8	0.55	6.00	0.005	3.14	2.21	3.00	0.020
SCX147-1R2	1.2	0.85	5.50	0.006	4.90	3.41	2.50	0.024
SCX147-1R8	1.8	1.06	5.00	0.007	7.06	4.24	2.95	0.028
SCX147-5R0	5.0	2.59	4.40	0.014	19.60	10.37	2.20	0.056
SCX147-8R0	8.0	4.29	3.50	0.019	33.12	17.14	1.75	0.073
SCX147-100	10	4.82	3.40	0.020	38.42	19.28	1.70	0.079
SCX147-150	15	6.76	3.00	0.024	56.64	27.03	1.50	0.096
SCX147-200	20	10.68	2.10	0.055	78.40	42.73	1.05	0.220
SCX147-250	25	13.32	2.00	0.064	103.68	53.27	1.00	0.254
SCX147-330	33	16.82	1.80	0.072	132.50	67.27	0.90	0.288
SCX147-500	50	25.03	1.50	0.111	200.70	100.11	0.75	0.444
SCX147-680	68	35.29	1.20	0.158	268.32	141.15	0.60	0.630
SCX147-101	100	54.56	0.92	0.303	396.90	218.25	0.46	1.210
SCX147-151	150	77.17	0.82	0.372	592.90	308.69	0.41	1.488
SCX147-201	200	111.08	0.64	0.545	802.82	444.32	0.32	2.180
SCX147-301	300	147.92	0.62	0.672	1192.46	591.66	0.31	2.687

### NOTES:

- (1). Parameters to be tested at 100KHZ, 0.25V ,0VDC and 25°C  
Parallel: (1,4-3,2) Series:(1-3) with (2-4) tied.
- (2). The DC current that results in a 40°C temperature rise. Overall unit temperature should not exceed 85°C (ambient + temperature rise).
- (3). Hi-pot winding to winding: 300Vdc min.
- (4). Turns Ratio:(1-2) : (4-3) 1:1

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**Custom versions available upon request.**