

NOTES:

1.0 ELECTRICAL SPECIFICATIONS:

- 1.1 FREQUENCY RANGE: 1.0 to 4.0 GHz
- 1.2 COUPLING: SEE TABLE
- 1.3 FREQUENCY SENSITIVITY: ± 0.6 dB
- 1.4 DIRECTIVITY: 20dB MIN.
- 1.5 VSWR (MAX): 1.30:1
- 1.6 INSERTION LOSS: 0.6dB MAX.
(EXCLUDING COUPLED POWER)
- 1.7 POWER: SEE TABLE
- 1.8 RF IMPEDANCE: 50 OHMS
- 1.9 WEIGHT (MAX): 10.4 oz

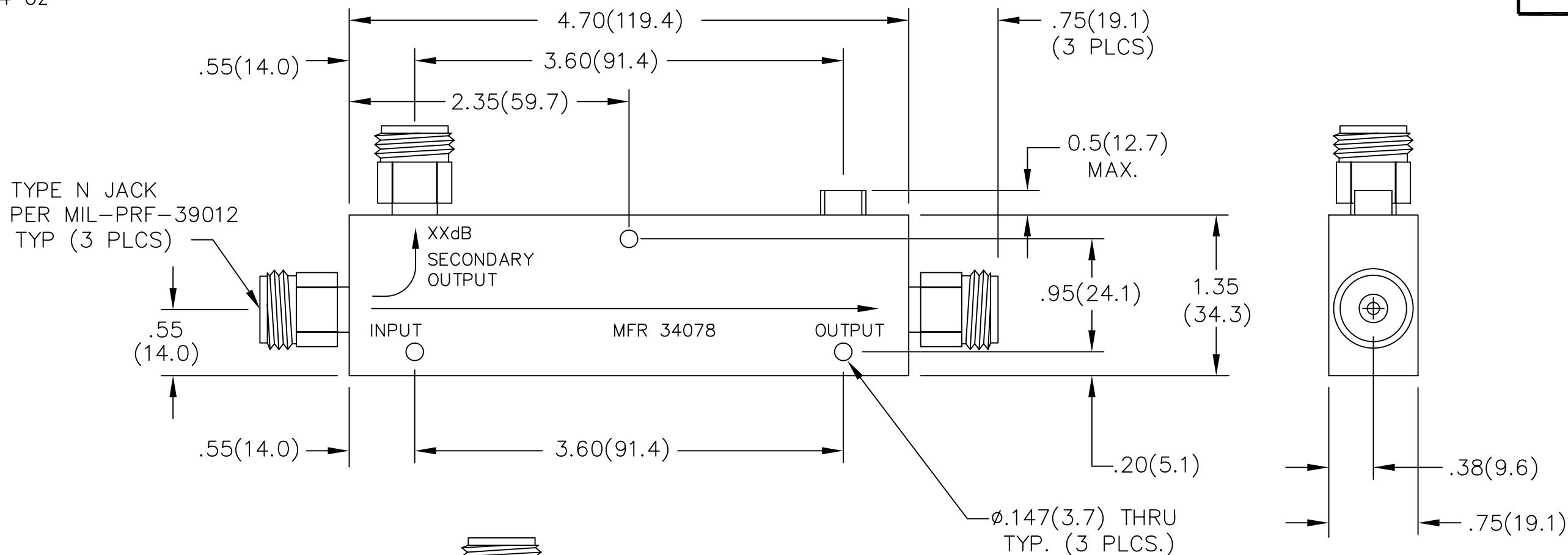
2.0 FINISHING:

- 2.1 GREY PER MIL-E-15090 TYPE II, CLASS 2
OVER MIL-C-5541 CLASS 3A
MEETS MIL-F-14072
MEETS MIL-E-5400
- 2.2 MARKING: MARK UNIT AS SHOWN
(REF.: SLK-08029-82-[40-43])

3.0 DIMENSIONS IN PARENTHESIS ARE
IN MILLIMETERS.

MIDWEST MODEL NUMBER CPL-5221-XX-NNN-79	COUPLING	POWER (WATTS)		
		INPUT	REF.	PEAK
CPL-5221-06-NNN-79	6 ± 1.0 dB	50	10	4000
CPL-5221-10-NNN-79	10 ± 1.0 dB	50	10	4000
CPL-5221-16-NNN-79	16 ± 1.0 dB	50	40	4000
CPL-5221-20-NNN-79	20 ± 1.0 dB	50	50	4000

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REV.
-1



BACKSIDE MARKING

UNLESS OTHERWISE
NOTED DIMENSIONS
ARE IN INCHES AND
TOLERANCES ARE:

- 3 PLACE DECIMALS ± 0.005
- 2 PLACE DECIMALS ± 0.02
- FRACTIONS $\pm 1/64$
- PARALLELITY: T.I.R. _____
- FLATNESS: T.I.R. _____
- CONCENTRICITY: T.I.R. _____
- ANGLES AND PERPENDICULARITY: $\pm 1^\circ$

FSCM NO.
34078

MIDWEST MICROWAVE

NOTICE: The information
contained in this
drawing is proprietary
and must not be used
without the permission
of Midwest Microwave

TITLE
DIRECTIONAL COUPLER

DRAWN/DATE
J. VERNON
1/21/98

ENG./DATE
J.O'NEIL
2/17/98

DRAWING NUMBER
CPL-5221-XX-NNN-79

CHECKED/DATE

APPROVED/DATE

SCALE: 1=1 SHEET 1 of 1

REV.	DESCRIPTION	DATE
-	RELEASED	2/23/98
-1	ADDED TITLEBLOCK	4/22/05