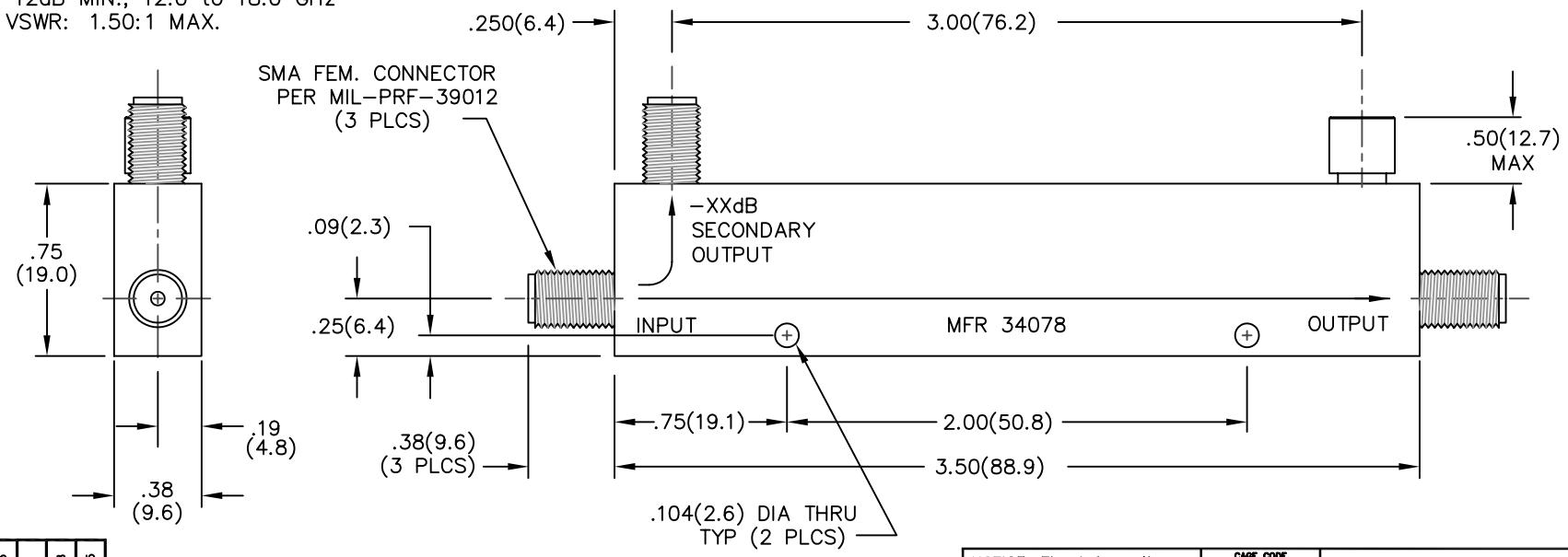


MODEL NUMBER  
CPL-5230-XX-SMA-79

**NOTES:**

- 1.0 ELECTRICAL SPECIFICATIONS:
- 1.1 FREQUENCY RANGE: 0.5 TO 18.0 GHz
- 1.2 FREQ. SENSITIVITY: ±1.0dB
- 1.3 COUPLING (INCLUDING FREQ. SENSITIVITY):  
SEE TABLE (COUPLING IS REFERENCED TO OUTPUT PORT).
- 1.4 INSERTION LOSS:  
1.45dB, INCLUDING COUPLING LOSS  
1.00dB, EXCLUDING COUPLING LOSS
- 1.5 DIRECTIVITY: 15dB MIN.  
15dB MIN., 0.5 to 12.0 GHz  
12dB MIN., 12.0 to 18.0 GHz
- 1.6 VSWR: 1.50:1 MAX.
- 1.7 INPUT POWER: 50 W. AVG.  
3 KW PEAK
- 1.8 RF IMPEDANCE: 50 OHMS
- 2.0 DIMENSIONS IN PARENTHESIS ARE IN MILLIMETERS.
- 3.0 GREY OVER MIL-E-15090 TYPE II, CLASS 2  
OVER MIL-C-5541 CLASS 3A  
MEETS MIL-F-14072  
MEETS MIL-E-5400

MODEL NUMBER	COUPLING
CPL-5230-XX-SMA-79	-XX ±1.5dB
CPL-5230-10-SMA-79	10
CPL-5230-16-SMA-79	16
CPL-5230-20-SMA-79	20



**NOTICE:** The information contained in this drawing is proprietary and must not be used without the permission of Emerson Network Power.

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:  
 3 PLACE DECIMALS ±.005  
 2 PLACE DECIMALS ±.02  
 FRACTIONS ±1/64  
 PARALLELITY: T.I.R. \_\_\_\_\_  
 FLATNESS: T.I.R. \_\_\_\_\_  
 CONCENTRICITY: T.I.R. \_\_\_\_\_  
 ANGLES AND PERPENDICULARITY: ±1'

CAGE CODE <b>34078</b>		<b>MIDWEST MICROWAVE</b>	
 <b>EMERSON</b> Network Power Connectivity Solutions		TITLE DIRECTIONAL COUPLER OUTLINE DRAWING	
		DRAWN/DATE A.BEATTY 7/15/91	ENG./DATE P.GOODMAN 7/15/91
CHECKED/DATE A.CATALANO 7/15/91		APPROVED/DATE	
SCALE: 5=1		SHEET 1 of 1	

REV.	DESCRIPTION	DATE
-	RELEASED	7/16/91
A	ECN 11553	2/13/92
B	ECN 12669	5/21/93
C	ECN 13900	9/1/94
D	ECN 16487	2/13/98
D1	ADDED TITLEBLOCK	4/25/05