

## Excellent Integrated System Limited

Stocking Distributor

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[Cinch Connectivity Solutions](#)

[CPL-5232-10-SMA-79](#)

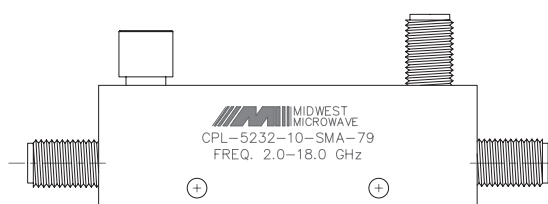
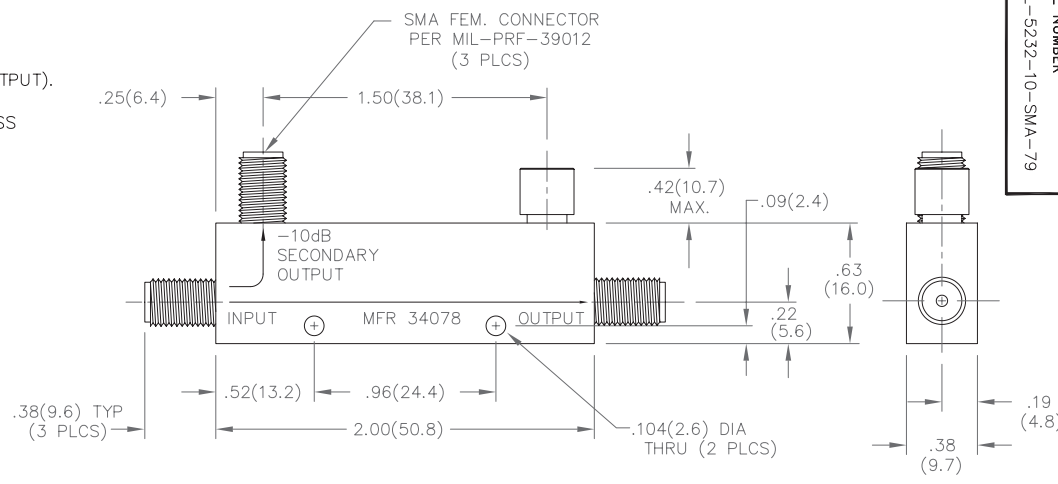
For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

MODEL NUMBER  
CPL-5232-10-SMA-79

NOTES:

- 1.0 ELECTRICAL SPECIFICATIONS:
- 1.1 FREQUENCY RANGE: 2.0 to 18.0 GHz
- 1.2 FREQ. SENSITIVITY:  $\pm 0.50\text{dB}$
- 1.3 COUPLING (INCLUDING FREQ. SENSITIVITY):  
10 dB  $\pm 1.0\text{dB}$  (MEASURED WITH RESPECT TO OUTPUT).
- 1.4 VSWR (MAX): 1.40:1
- 1.5 INSERTION LOSS: 0.8dB EXCLUDING COUP. LOSS  
1.25dB INCLUDING COUP. LOSS
- 1.6 DIRECTIVITY:  
2 to 12 GHz: 15dB MIN.  
12 to 18 GHz: 12dB MIN.
- 1.7 POWER:  
AVG.: 20 WATTS  
PEAK: 3 KILOWATTS
- 1.8 RF IMPEDANCE: 50 OHMS
- 1.9 WEIGHT: 1.30 Oz. (36.9 GRAMS)
- 2.0 FINISHING:
- 2.1 GREY OVER MIL-E-15090 TYPE II, CLASS 2  
OVER MIL-C-5541 CLASS 3A  
MEETS MIL-F-14072  
MEETS MIL-E-5400 AND MIL-E-16400V.
- 2.2 MARK UNIT AS SHOWN.
- 3.0 DIMENSIONS IN PARENTHESIS ARE  
IN MILLIMETERS.



BACKSIDE MARKING

**NOTICE:** The information contained in this drawing is proprietary and must not be used without the permission of Cinch Connectivity Solutions.

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:  
 3 PLACE DECIMALS  $\pm .005$   
 2 PLACE DECIMALS  $\pm .02$   
 FRACTIONS  $\pm 1/64$   
 PARALLELITY: T.J.R.  
 FLATNESS: T.J.R.  
 CONCENTRICITY: T.J.R.  
 ANGLES AND PERPENDICULARITY:  $\pm 1^\circ$

GAGE CODE <b>34078</b>		<b>MIDWEST MICROWAVE</b>	
		TITLE DIRECTIONAL COUPLER OUTLINE DRAWING	
		DRAWING NUMBER CPL-5232-10-SMA-79-01	REV. K
DESIGNED/DATE A.BEATTY 12/11/91	ENG./DATE P.GOODMAN 12/12/91	SCALE: 2=1 SHEET 1 of 1	
CHECKED/DATE A.CATALANO 12/11/91	APPROVED/DATE		

DATE	12/12/91
DATE	11/09/10
DESCRIPTION	RELEASED
ECO	22798
REV.	K