

NOTES:

1.0 ELECTRICAL SPECIFICATIONS:

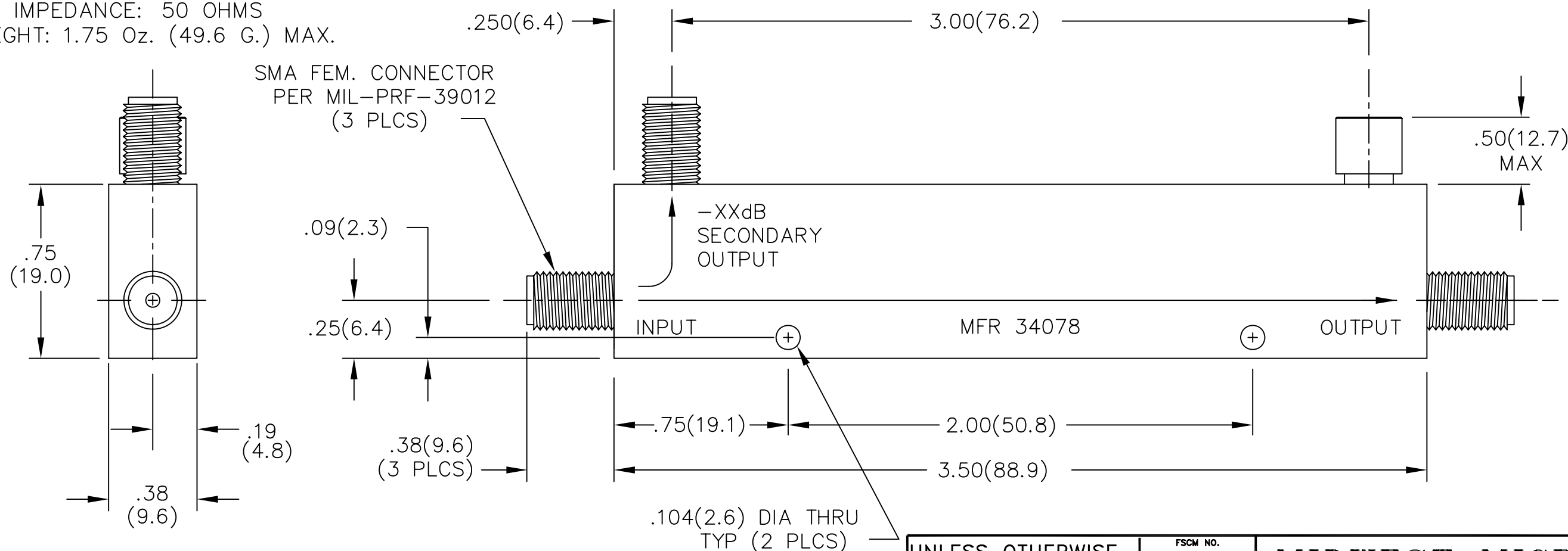
- 1.1 FREQUENCY RANGE: 1.0 to 4.0 GHz
- 1.2 FREQUENCY SENSITIVITY:  $\pm 0.50$ dB
- 1.3 COUPLING: SEE TABLE
- 1.3 INSERTION LOSS: (EXCLUDES CPLG. LOSS)  
0.50dB MAX.
- 1.4 DIRECTIVITY: 22dB MIN.
- 1.5 VSWR: 1.25:1 MAX.
- 1.6 POWER:  
50 WATTS AVG.  
4 KILOWATTS PEAK
- 1.7 RF. IMPEDANCE: 50 OHMS
- 1.8 WIEGHT: 1.75 Oz. (49.6 G.) MAX.

2.0 DIMENSIONS IN PARENTHESIS ARE  
IN MILLIMETERS.

3.0 FINISH

- 3.1 GREY OVER MIL-E-15090 TYPE II, CLASS 2  
OVER MIL-C-5541 CLASS 3A  
MEETS MIL-F-14072  
MEETS MIL-E-5400
- 3.2 MARK UNIT AS SHOWN  
(REF.: SLK-09182-82-XX)

MODEL NUMBER	COUPLING
CPL-5221-XX-SMA-79	-XX $\pm 1.0$ dB
CPL-5221-06-SMA-79	6
CPL-5221-10-SMA-79	10
CPL-5221-16-SMA-79	16
CPL-5221-20-SMA-79	20



UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:

- 3 PLACE DECIMALS  $\pm 0.005$
- 2 PLACE DECIMALS  $\pm 0.02$
- 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**

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TITLE  
DIRECTIONAL COUPLER

DRAWN/DATE  
A.BEATTY  
10/10/94

ENG./DATE  
J.O.NEIL  
11/18/94

DRAWING NUMBER  
CPL-5221-XX-SMA-79

CHECKED/DATE  
M.HOLLMAN  
11/15/94

APPROVED/DATE

SCALE: 2=1 SHEET 1 of 1

REV.	DESCRIPTION	DATE
-	RELEASED	11/18/94
A	ECN 16721	6/18/98
A1	ADDED TITLEBLOCK	4/22/05