

NOTES:

1.0 ELECTRICAL SPECIFICATIONS:

- 1.1 FREQUENCY RANGE: 4.0 to 10.0 GHz
- 1.2 COUPLING: SEE TABLE
- 1.3 FREQUENCY SENSITIVITY: ± 0.75 dB
- 1.4 INSERTION LOSS: 0.25dB MAX.
- 1.5 DIRECTIVITY: 4.0 to 8.0 GHz: 20dB MIN.
8.0 to 10.0 GHz: 17dB MIN.
- 1.6 VSWR: 1.20:1 MAX.
- 1.7 INPUT POWER:
SEE TABLE

2.0 WEIGHT: 0.50 Kg. (1.1 lbs.)

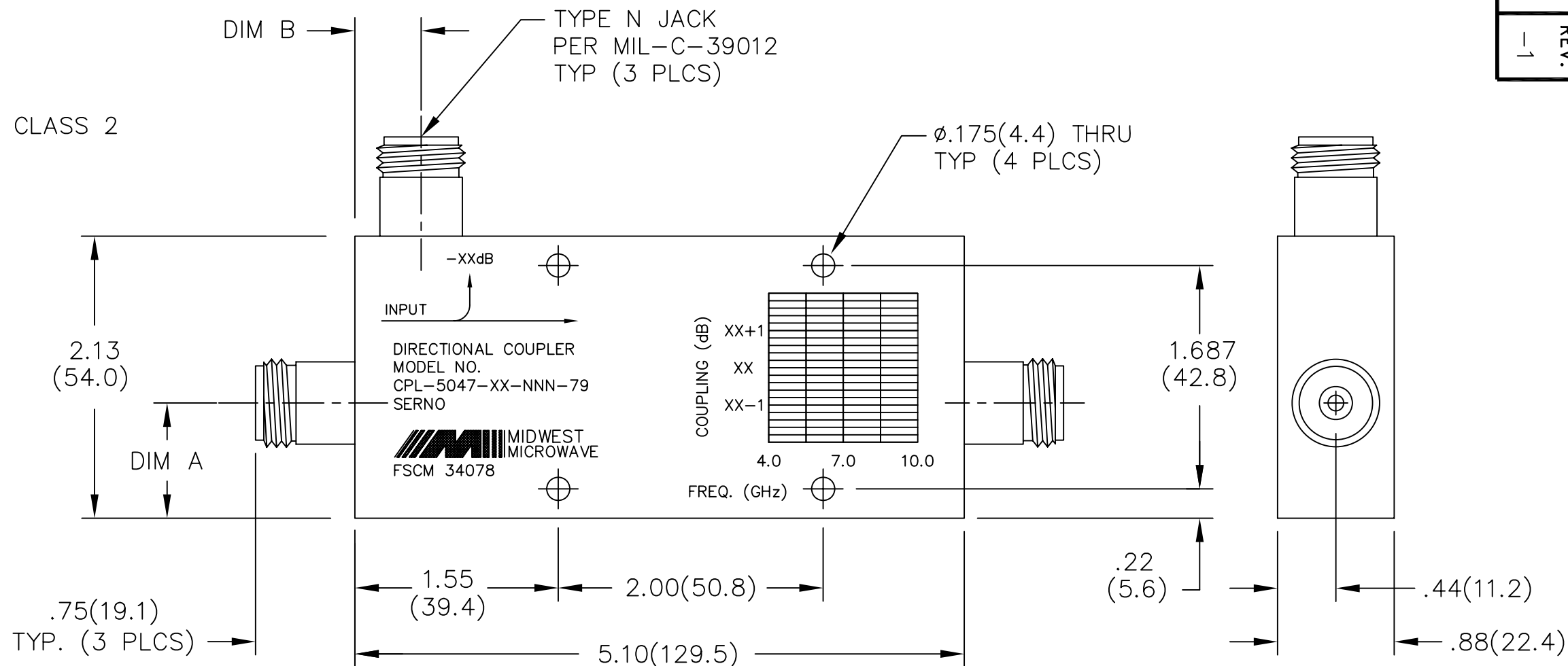
3.0 FINISHING:

- 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-08053-82-XX)
USING BLUE INK.

4.0 DIMENSIONS IN PARENTHESIS
ARE IN MILLIMETERS.

MODEL NUMBER	COUPLING (dB)	INPUT POWER			DIM A	DIM B
		AVG. IN	AVG. REF.	AVG. PEAK		
CPL-5047-XX-NNN-79	10 ± 1.0 dB	200 W.	50 W.	10 KW.	.57(14.5)	.66(16.8)
CPL-5047-20-NNN-79	20 ± 1.0 dB	500 W.	500 W.	10 KW.	.57(14.5)	.66(16.8)
CPL-5047-30-NNN-79	30 ± 1.0 dB	500 W.	500 W.	10 KW.	.69(17.5)	.57(14.5)



MODEL NUMBER
CPL-5047-XX-NNN-79
REV.
-1

REV.	DESCRIPTION	DATE
-	RELEASED	12/8/97
-1	ADDED TITLEBLOCK	4/13/05

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.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 A.BEATTY 10/29/93	ENG./DATE J.O'NEIL 12/7/97	DRAWING NUMBER CPL-5047-XX-NNN-79
	CHECKED/DATE	APPROVED/DATE	SCALE: 1=1 SHEET 1 of 1