

NOTES:

1.0 ELECTRICAL SPECIFICATIONS:

- 1.1 FREQUENCY RANGE: 0.5 to 18.0 GHz
- 1.2 COUPLING: (MEASURED WITH RESPECT TO OUTPUT) SEE TABLE
- 1.3 FREQUENCY SENSITIVITY: ± 1.10 dB
- 1.4 DIRECTIVITY: 0.5 to 12.4 GHz 15dB MIN.
12.4 to 18.0 GHz 12dB MIN.
- 1.5 VSWR (MAX): 1.50:1 PRIMARY
1.60:1 SECONDARY
- 1.6 INSERTION LOSS: 1.20dB MAX.
(EXCLUDING COUPLED POWER)
- 1.7 POWER: SEE TABLE
- 1.8 RF IMPEDANCE: 50 OHMS
- 1.9 WEIGHT (MAX.): 9.7 oz.

2.0 FINISHING:

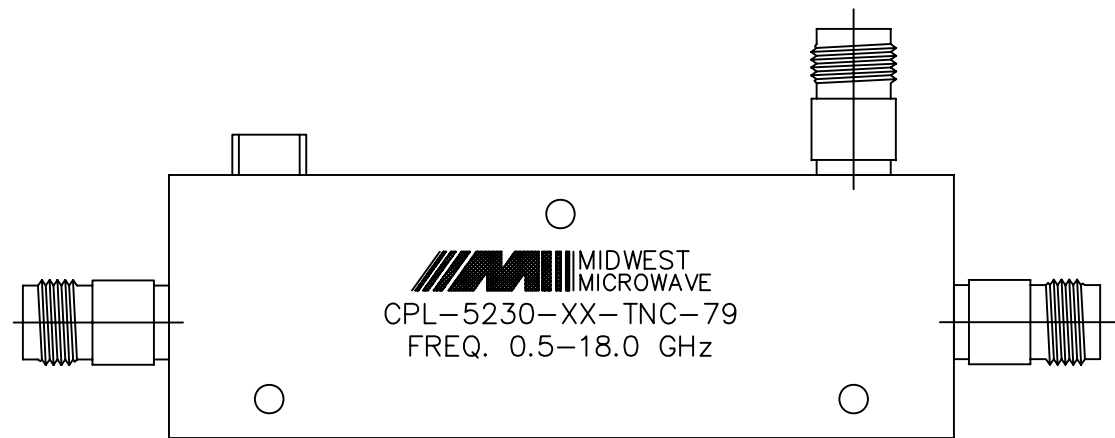
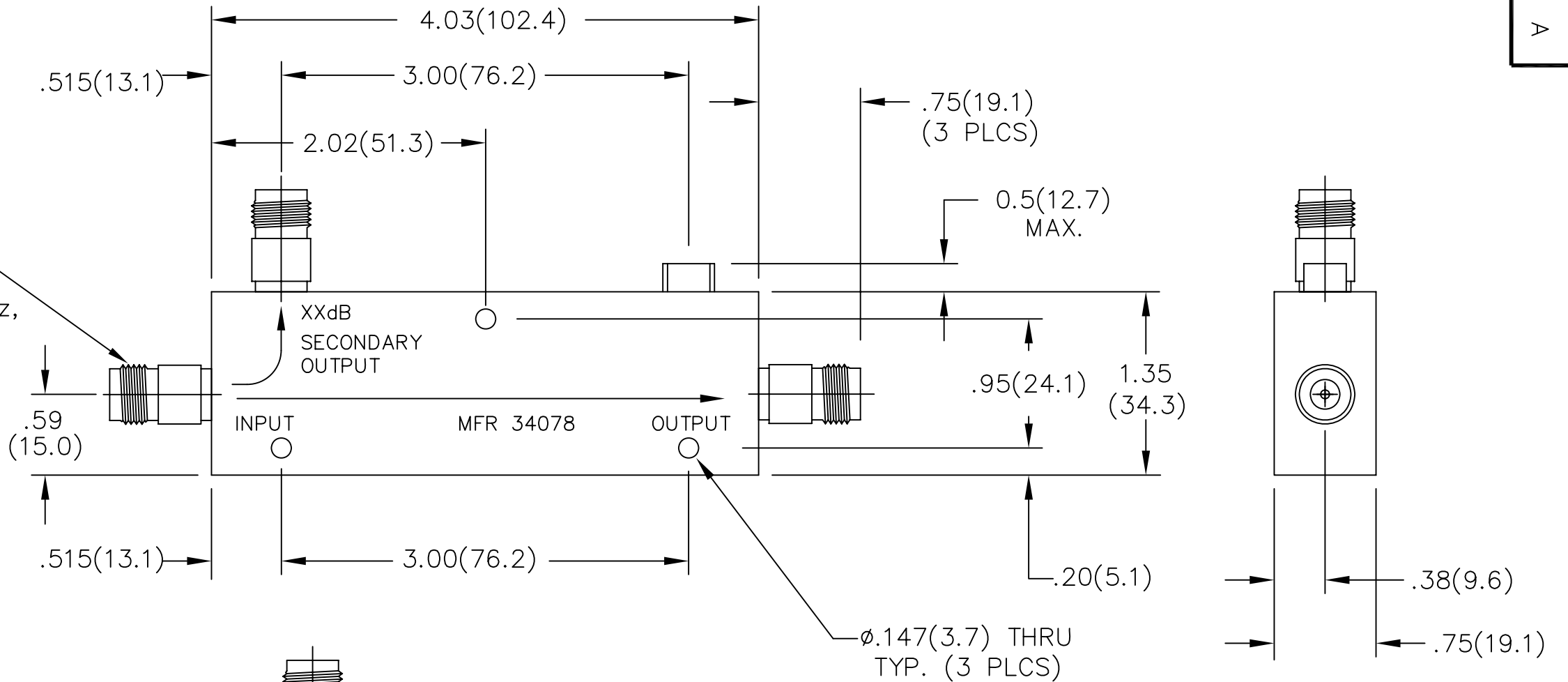
- 2.1 GREY PER MIL-E-15090 TYPE II, CLASS 2
OVER MIL-C-5541 CLASS 3A
MEETS MIL-F-14072
MEETS MIL-E-5400
- 2.2 MARKING: MARK UNIT AS SHOWN
(REF.: SLK-08139-82-[48-50])

3.0 DIMENSIONS IN PARENTHESIS ARE IN MILLIMETERS.

MIDWEST MODEL NUMBER	NOMINAL COUPLING	POWER (WATTS)		
		INPUT	REF	PEAK
CPL-5230-10-TNC-79	10 ± 1.5 dB	50	10	3000
CPL-5230-16-TNC-79	16 ± 1.5 dB	50	40	3000
CPL-5230-20-TNC-79	20 ± 1.5 dB	50	50	3000

MODEL NUMBER
CPL-5230-XX-TNC-79
REV.
A

TYPE TNCA FEMALE INTERFACE PER MIL-STD-348A FIG. 313-4
(INTERFACE ALSO MEETS TYPE TNC 18GHz, GRADE 1, PER IEC 169-26, FIG 2) TYPICAL 3 PLACES.



BACKSIDE MARKING

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:		FSCM NO. 34078		MIDWEST MICROWAVE	
3 PLACE DECIMALS $\pm .005$		NOTICE: The information contained in this drawing is proprietary and must not be used without the permission of Midwest Microwave		TITLE DIRECTIONAL COUPLER	
2 PLACE DECIMALS $\pm .02$				DRAWING NUMBER CPL-5230-XX-TNC-79	
FRACTIONS $\pm 1/64$		DRAWN/DATE S.ORLOV 11/4/02	ENG./DATE B.GALLAGHER 11/5/02	SCALE: 1=1	
PARALLELITY: T.I.R. _____		CHECKED/DATE	APPROVED/DATE	SHEET 1 of 1	
FLATNESS: T.I.R. _____		ANGLES AND PERPENDICULARITY: $\pm 1^\circ$			
CONCENTRICITY: T.I.R. _____					

DATE	11/6/02	1/31/03
DESCRIPTION	RELEASED	ECN 19021
REV.	-	A