

# SPECIFICATIONS

## PRODUCTION RELEASE

NOTE:  
THIS DRAWING INCORPORATES  
THIRD ANGLE PROJECTION.

INTERPRET 1AV ANSI Y14.5-1992

### REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	7/19/12	T. KUHN

### ELECTRICAL

FREQUENCY RANGE \_\_\_\_\_ 2 - 8 GHz

VSWR \_\_\_\_\_ 1.50:1

AVERAGE POWER \_\_\_\_\_ 10 WATTS FORWARD  
2 WATTS REVERSE

IMPEDANCE \_\_\_\_\_ 50 OHMS

INSERTION LOSS \_\_\_\_\_ 1.4 dB MAX.

ISOLATION \_\_\_\_\_ 18 dB MIN.

PHASE BALANCE \_\_\_\_\_ 5 DEG. MAX.

AMPLITUDE BALANCE TRACKING \_\_\_\_\_ 0.50 dB MAX.  
(between output ports)

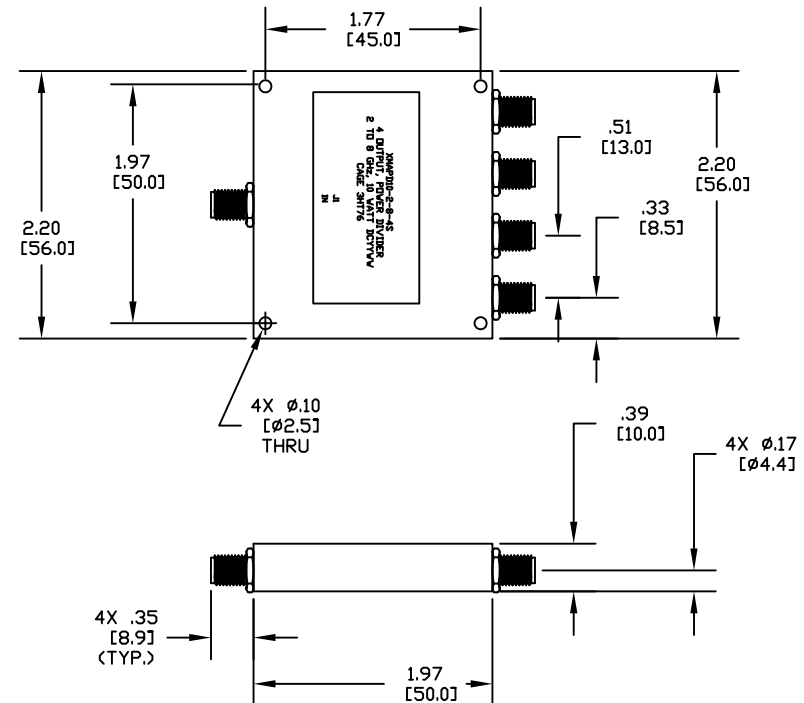
OPERATING TEMP RANGE \_\_\_\_\_ -25°C TO +65°C

### MECHANICAL

SMA FEMALE CONNECTORS \_\_\_\_\_ PASSIVATED STAINLESS STEEL

CONTACTS \_\_\_\_\_ GOLD PLATED BERYLLIUM COPPER

CIRCUIT CASE \_\_\_\_\_ ALUMINUM W/ COMMERCIAL GRADE BLACK PAINT.



DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	TOLERANCES IN:
SURFACE ROUGHNESS 63 ✓	DECIMALS INCH MM
FINISH	.X" .05" [.76]
SEE NOTES	.XX" .030" [.25]
	.XXX" .010 [.127]
	.XXXX" .0005" [.013]
	ANGLES ±0°30'
MATERIAL	REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005"
SEE NOTES	UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.

DRAWN T. KUHN	DATE 3/1/12
CHECKED	DATE
ENG. T. KUHN	DATE 7/19/12

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XMA Omni Spectra™		P:603-222-2256 F:603-222-2259	
150 Dow Street, Manchester, NH 03101		TITLE POWER DIVIDER, 4 WAY, ISOLATED, 2 - 8 GHz, 10 W, SMA FEMALE	
SIZE B	CAGE CODE 3HT76	DRAWING NUMBER XMAPD10-2-8-4S	
SCALE 1:1	PLATED AREA	XXX	SHEET 1 OF 1

BCSI