

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ 10 - 50 GHz
 VSWR _____
 INPUT _____ 1.60:1 TYP. 2.0:1 MAX.
 OUTPUTS _____ 1.70:1 TYP. 2.0:1 MAX.

INPUT POWER _____ 10 WATTS @ 25°C
 (ASSUMES OUTPUT MATCH OF OF 2.0:1 OR BETTER. DERATES LINEARLY TO 10% WITH ARBITRARY LOAD)

IMPEDANCE _____ 50 OHMS

INSERTION LOSS _____ 1.8 dB TYP. 2.0 dB MAX.

ISOLATION _____ 15 dB MIN.

PHASE _____ 8° TYP. 10° MAX.
 (BETWEEN OUTPUT PORTS)

AMPLITUDE BALANCE _____ 0.5 dB TYP. 1.0 dB MAX.
 (BETWEEN OUTPUT PORTS)

OPERATING TEMP RANGE _____ -54°C TO +125°C

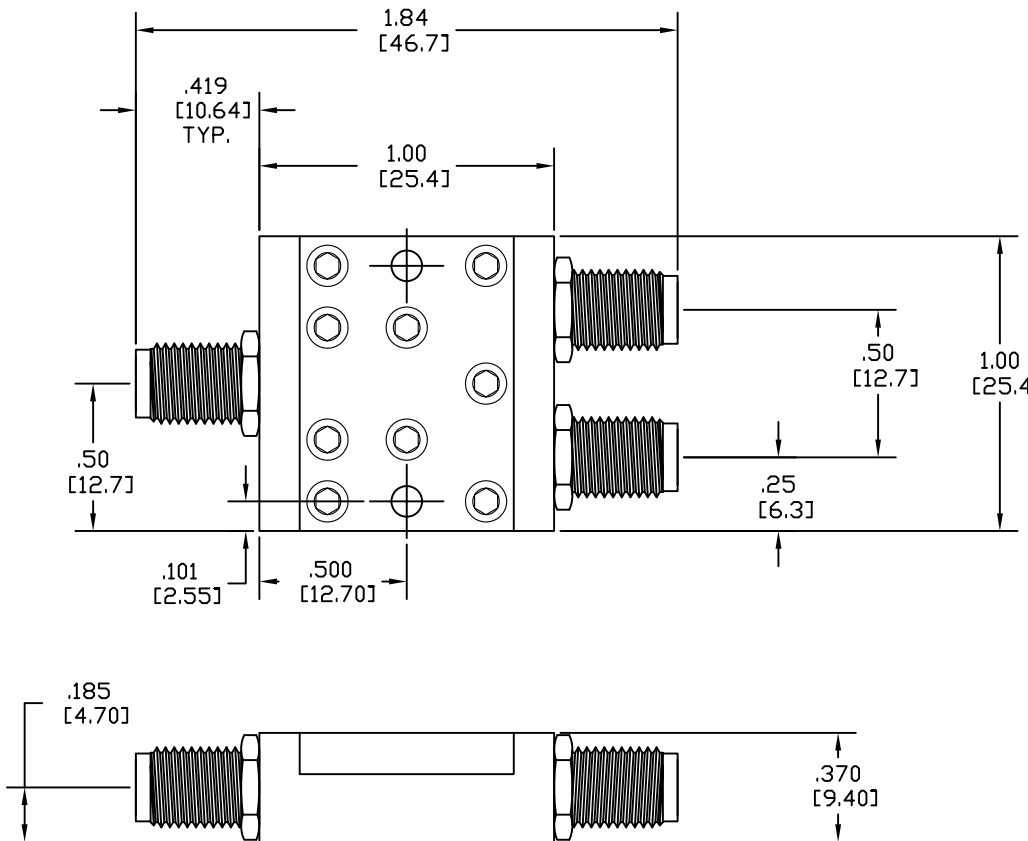
MECHANICAL

2.4mm CONNECTORS - FEMALE/JACK

CONTACTS _____ GOLD PLATED BERYLLIUM COPPER
 CONNECTOR HOUSING _____ PASSIVATED STAINLESS STEEL
 CIRCUIT CASE _____ ALUMINUM ALLOY W/ CHEMICAL
 CONVERSION COAT PER MIL-DTL-5541,
 TYPE II, CLASS 1A

NOTE: FOR DFARS COMPLIANT PART,
 ADD "-DF" TO END OF PART NUMBER

PRELIMINARY RELEASE		NOTES: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION INTERPRET IAW ANSI Y14.5-1996			REVISIONS	
		REV X2	DESCRIPTION UPDATE FREQ. RANGE - ADD JAM NUT	DATE 7/18/12	APPROVED T. KUHN	



DRAWING PRACTICES PER ANSI Y-14.5 MIL-STD-883C & 1000	UNLESS OTHERWISE SPECIFIED TOLERANCES IN DECIMALS INCH MM .X" .03" [.76] .XX" .02" [.25] .XXX" .005" [.127]	DRAWN T. KUHN 9/7/11 DATE	150 Dow Street, Manchester, NH 03101 P:603-222-2256 F:603-222-2259
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	SURFACE FINISHNESS 63 ✓	CHECKED T. KUHN 7/18/12 DATE	
FINISH SEE NOTES	MATERIAL SEE NOTES	ENG. T. KUHN 7/18/12 DATE	TITLE POWER DIVIDER, 2-WAY 10-50GHz, 2.4mm, 10 WATTS
UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.			THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA Corp. AND SHALL NOT BE REPRODUCED, COPIED, USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
		SIZE c 3HT76	DWG NO. OS8590-6050-02
		SCALE 3:1	SHEET 1 OF 1