

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ 10 - 40 GHz
 VSWR _____
 INPUT _____ 1.60:1 TYP. 1.80:1 MAX.
 OUTPUTS _____ 1.70:1 TYP. 1.80:1 MAX.

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

IMPEDANCE _____ 50 OHMS

INSERTION LOSS _____ 1.5 dB TYP. 2.0 dB MAX.

ISOLATION _____ 15 dB MIN.

PHASE _____ 6° MAX.
 (BETWEEN OUTPUT PORTS)

AMPLITUDE BALANCE _____ 0.6 dB MAX.
 (BETWEEN OUTPUT PORTS)


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

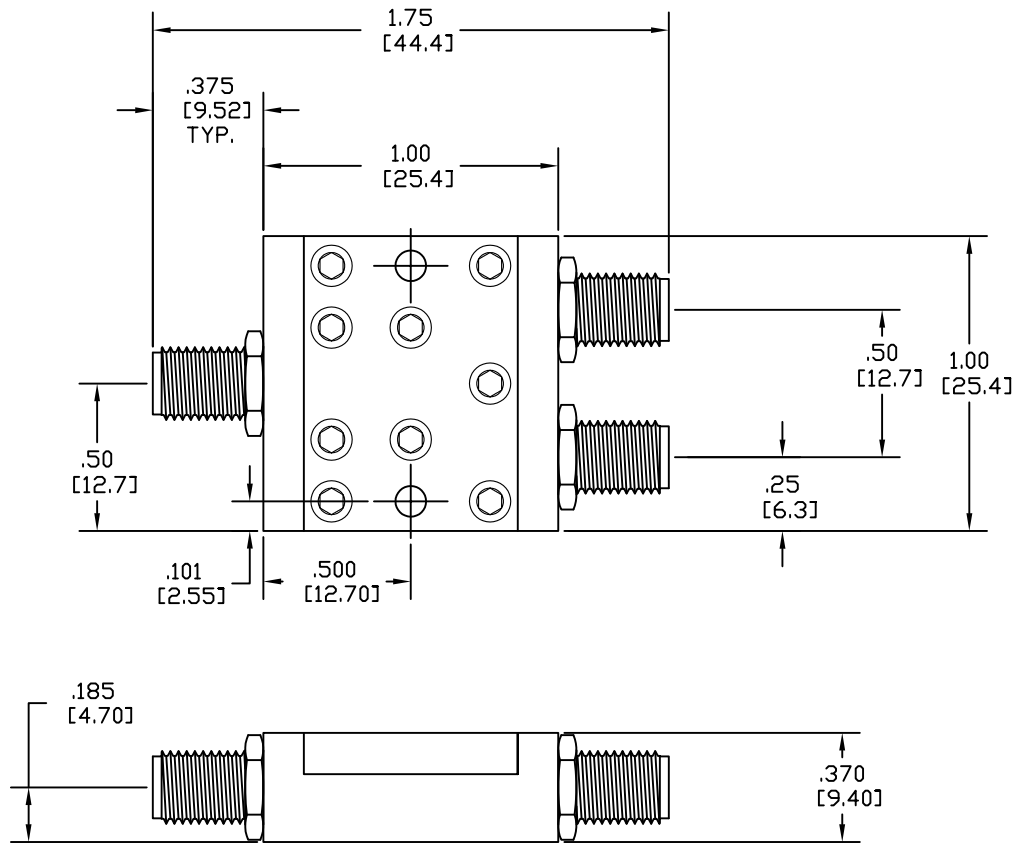
MECHANICAL

2.92mm 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		NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.  INTERPRET IAW ANSI Y14.5-1995			REVISIONS	
		REV X3	DESCRIPTION UPDATE FREQ. RANGE	DATE 7/18/12	APPROVED T. KUHN	



DRAWING PRACTICES PER ANSI Y-14.5 MIL-STD-883C & 1000	UNLESS OTHERWISE SPECIFIED TOLERANCES ON DECIMALS INCH MM .X" .03" [.76] .XX" .02" [.25] .XXX" .005" [.127]	DRAWN T. KUHN 9/7/11 DATE CHECKED _____ DATE ENG. T. KUHN 7/18/12 DATE
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	SURFACE FINISHNESS 63 ✓	FINISH SEE NOTES
MATERIAL SEE NOTES	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.

		
150 Dow Street, Manchester, NH 03101 P1603-222-2256 F1603-222-2259		
TITLE POWER DIVIDER, 2-WAY 10-40GHz, 2.92mm, 10 WATTS		
SIZE c	CAGE CODE 3HT76	DWG NO. OS4890-6040-02
SCALE 3:1	SHEET 1 OF 1	