

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ 1 - 2 GHz
 VSWR
 PRIMARY _____ 1.15:1 MAX.
 SECONDARY _____ 1.15:1 MAX.
 INPUT PORT
 AVG. POWER _____ 50 WATTS @ 25°C
 DERATES LINEARLY TO 10% @ 125°C
 PEAK POWER _____ 4 k WATTS
 IMPEDANCE _____ 50 OHMS
 COUPLING _____ ± 1 dB
 INSERTION LOSS _____ 0.20 dB MAX.
 DIRECTIVITY _____ 25 dB MIN.
 FREQUENCY SENSITIVITY _____ 6 dB ± 0.60 dB
 10 AND 20 dB ± 0.75 dB
 OPERATING TEMP RANGE _____ -54°C TO +125°C

MECHANICAL

SMA CONNECTORS - FEMALE/JACK (IAW MIL-PRF-39012 & MIL-STD-348)

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

ORDERING INFORMATION

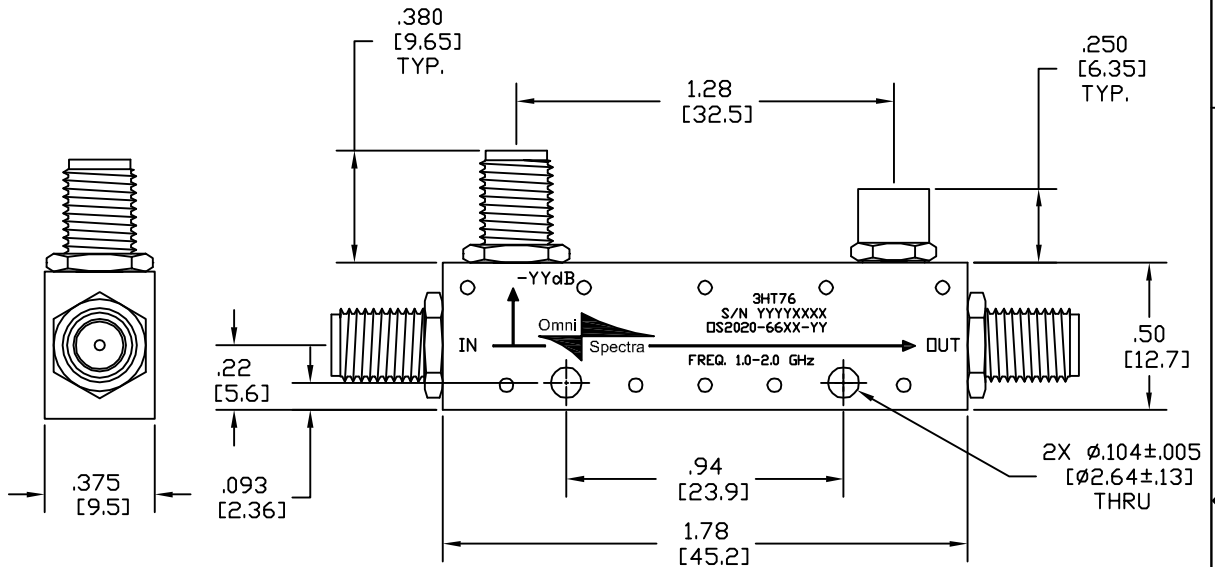
P/N	COUPLING VALUE
OS2020-6604-06	6 dB
OS2020-6605-10	10 dB
OS2020-6606-20	20 dB

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

PRODUCTION
 RELEASE

NOTE:
 THIS DRAWING INCORPORATES
 THIRD ANGLE PROJECTION.
 INTERPRET IAW ANSI Y14.5-1995

REVISIONS		
REV	DESCRIPTION	APPROVED
A	UPDATED TOLERANCES	03/07/11 T. KUHN



DRAWING PRACTICES PER ANSI Y14.5-1995 MIL-STD-100 & 1000		UNLESS OTHERWISE SPECIFIED TOLERANCES IN		DRAWN DATE	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING		DECIMALS	INCH	T. KUHN	10/21/2010
SURFACE ROUGHNESS		.xx	.03" [.76]	CHECKED	T. KUHN 10/21/2010
FINISH		.xxx	.02" [.25]	ENG	T. KUHN 10/21/2010
SEE NOTES		.xxxx	.02" [.127]	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.	
MATERIAL		UNLESS OTHERWISE NOTED DIA'S CONCENTRIC <.003 T.I.R.			
SEE NOTES					

XMA Omni Spectra		
150 Dow Street, Manchester, NH 03101 P:603-222-2256 F:603-222-2259		
TITLE DIRECTIONAL COUPLER, 1-2GHz, SMA, 50 WATTS		
SIZE	CAGE CODE	DWG NO.
c	3HT76	OS2020-66XX-YY-1-2GHz
SCALE 3:1	SHEET 1 OF 2	