

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ .5 - 1 GHz
 VSWR
 PRIMARY _____ 1.10:1 MAX.
 SECONDARY _____ 1.10:1 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 _____ 0.15 dB MAX.
 DIRECTIVITY _____ 25 dB MIN.
 FREQUENCY SENSITIVITY _____ 6 dB _____ ± 0.60 dB
 10, 20 AND 30 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

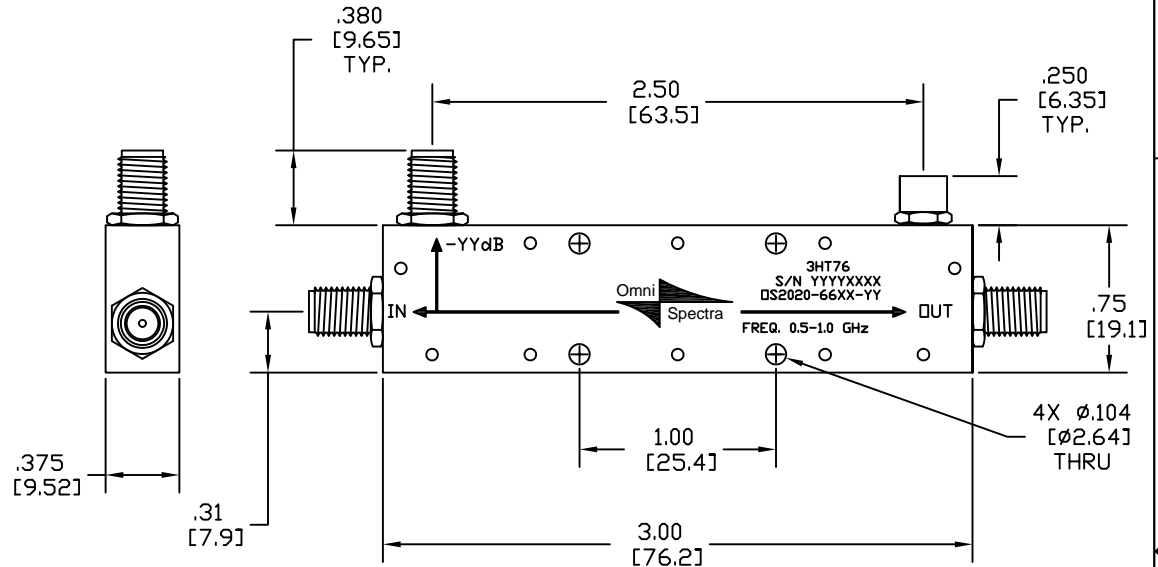
P/N	COUPLING VALUE
OS2020-6600-06	6 dB
OS2020-6601-10	10 dB
OS2020-6602-20	20 dB
OS2020-6603-30	30 dB

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

**PRODUCTION
 RELEASE**

NOTE:
 THIS DRAWING INCORPORATES
 THIRD ANGLE PROJECTION.
 INTERPRET IAW ANSI Y14.5-1998

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
-	RELEASED	01/14/2010	D. Saunders



DRAWING PRACTICES PER ANSI-Y14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED TOLERANCES ON DECIMALS INCH MM	DRAWN T. KUHN DATE 5/31/11	DATE 5/31/11
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	.X" .03" [.76]	CHECKED	
SURFACE FINISH 63	.XX" .020" [.25]	ENG. T. KUHN DATE 5/31/11	
FINISH SEE NOTES	.XXX" .020 [.127]	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP / OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS A BASIS FOR THE DESIGN, MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP. CUSTOMERS AND VENDORS MAY COPY FOR INTERNAL REVIEW USE AS NEEDED	
MATERIAL SEE NOTES	UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.		

UNLESS OTHERWISE SPECIFIED TOLERANCES ON DECIMALS INCH MM	DRAWN T. KUHN DATE 5/31/11	DATE 5/31/11
.X" .03" [.76]	CHECKED	
.XX" .020" [.25]	ENG. T. KUHN DATE 5/31/11	
.XXX" .020 [.127]	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP / OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS A BASIS FOR THE DESIGN, MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP. CUSTOMERS AND VENDORS MAY COPY FOR INTERNAL REVIEW USE AS NEEDED	
UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.		

UNLESS OTHERWISE SPECIFIED TOLERANCES ON DECIMALS INCH MM	DRAWN T. KUHN DATE 5/31/11	DATE 5/31/11
.X" .03" [.76]	CHECKED	
.XX" .020" [.25]	ENG. T. KUHN DATE 5/31/11	
.XXX" .020 [.127]	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP / OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS A BASIS FOR THE DESIGN, MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP. CUSTOMERS AND VENDORS MAY COPY FOR INTERNAL REVIEW USE AS NEEDED	
UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.		

WWW.XMACorp.com Sales@XMACorp.com

XMA Powered by **Omni Spectra®**

XMA Corp. 150 Dow St. Manchester, NH 03045 (603) 222-2256 fax 222-2259

TITLE
 DIRECTIONAL COUPLER,
 0.5-1.0GHz, SMA, 50 WATTS

SIZE C	CAGE CODE 3HT76	DWG NO. OS2020-66XX-YY-05-1GHz
SCALE 2:1	PLATING AREA SQUARE INCHES XXX	SHEET 1 OF 1