

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ 2 - 8 GHz

VSWR _____ 1.50:1

AVERAGE POWER _____ 10 WATTS FORWARD
2 WATTS REVERSE

IMPEDANCE _____ 50 OHMS

INSERTION LOSS _____ 1.6 dB MAX.

ISOLATION _____ 18 dB MIN.

PHASE BALANCE _____ ± 7 DEG. MAX.

AMPLITUDE BALANCE TRACKING _____ <0.60 dB MAX.
(between output ports)

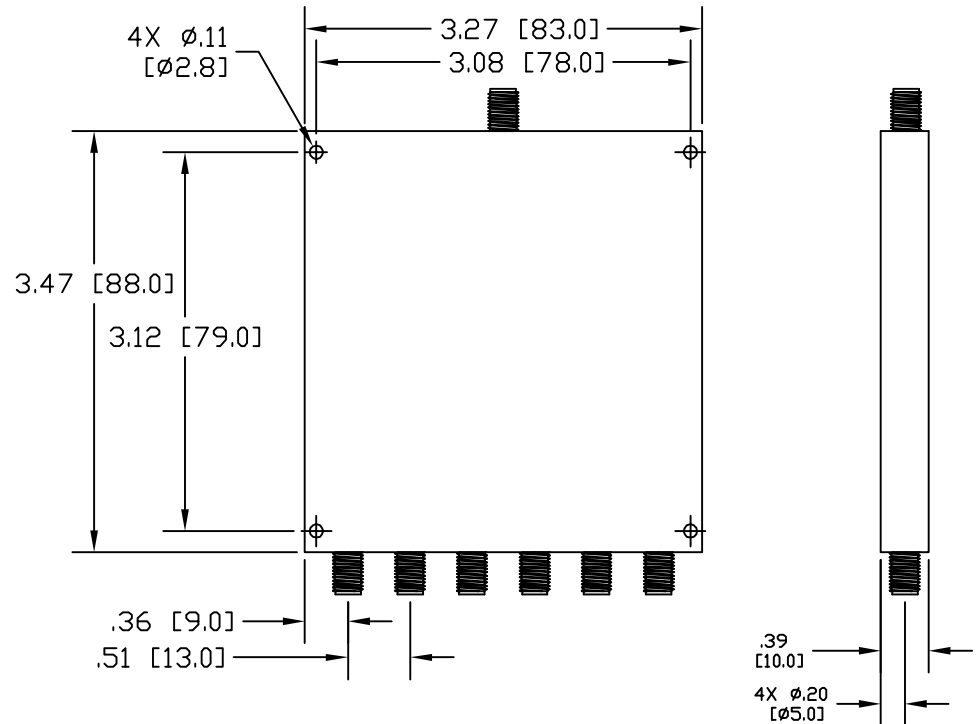
OPERATING TEMP RANGE _____ -25°C TO $+55^{\circ}\text{C}$

MECHANICAL

SMA FEMALE CONNECTORS _____ PASSIVATED STAINLESS STEEL.
INTERFACE DIMENSIONS PER MIL-STD-348.

CONTACTS _____ GOLD PLATED BERYLLIUM COPPER

CIRCUIT CASE _____ ALUMINUM W/ COMMERCIAL GRADE
BLACK PAINT.



DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	
SURFACE ROUGHNESS INCHES	63 ✓
FINISH	SEE NOTES
MATERIAL	SEE NOTES
NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.	
INTERPRET IAW ANSI Y14.5-1982	

UNLESS OTHERWISE SPECIFIED	
TOLERANCES IN:	DECIMALS INCH
.X"	.03" [.76]
.XX"	.010" [.25]
.XXX"	.005 [.127]
.XXXX"	.0005" [.013]
ANGLES $\pm 0^{\circ}30'$	
REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005"	
UNLESS OTHERWISE NOTED DIA5 CONCENTRIC $<.003$ T.I.R.	
DO NOT SCALE PRINT	

DRAWN	DATE
V. SHELBY	5/8/13
CHECKED	DATE
T. KUHN	5/8/13
ENG APPR.	DATE
T. KUHN	5/8/13
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XMA Powered by:	
Omni Spectra®	
Phone: 603-222-2256 Fax: 603-222-2259	
150 Dow Street, Manchester, NH 03101	
TITLE	
POWER DIVIDER, SMA, F, 2-8 GHz, 6 WAY	
SIZE B	CAGE CODE 3HT76
SCALE 1:1	DRAWING NUMBER XMAPD10-2-8-6S
FLATLET XREF. SQ. IN	XXX
SHEET 1 OF 1	REV -

TEMPLATE REV -