

SPECIFICATIONS

ELECTRICAL

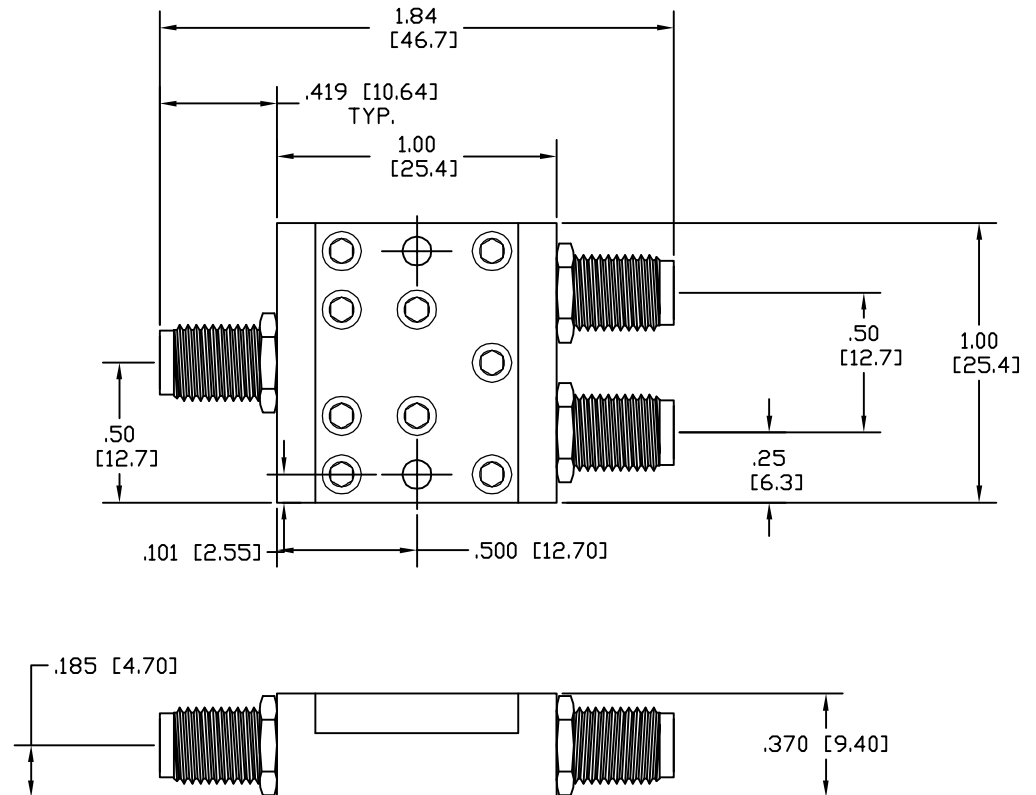
FREQUENCY RANGE _____ 10 - 50 GHz
VSWR
INPUT _____ 1.60:1 TYP. 2.0:1 MAX.
OUTPUTS _____ 1.70:1 TYP. 2.0:1 MAX.
INPUT POWER _____ 10 WATTS @ 25°C
(ASSUMES OUTPUT MATCH OF 2.0:1 OR BETTER. DERATES LINEARLY TO 10% WITH ARBITRARY LOAD)
IMPEDANCE _____ 50 OHMS
INSERTION LOSS _____ 1.8 dB TYP. 2.0 dB MAX.
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



DRAWING PRACTICES PER ANSI-Y-14.5 UNLESS OTHERWISE SPECIFIED	UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES AND APPLY BEFORE/ AFTER PROCESSING	TOLERANCES IN:
SURFACE FINISH 63	DECIMALS INCH DIM
SEE NOTES	.005" .010" .025" .050" .100" .150" .250" .500" 1.000" 1.500" 2.000" 3.000" 4.000" 5.000" 6.000" 7.000" 8.000" 9.000" 10.000"
SEE NOTES	ANGLES ±0°30'
NOTED THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION	REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 TLR.
INTERPRET IAW ANSI Y14.5-1998	DO NOT SCALE PRINT

DRAWN	DATE
T. KUHN	6/15/13
CHECKED	DATE
A. GAGNE	6/15/13
ENG APPR.	DATE
T. KUHN	6/15/13
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XMA Powered by Omni Spectra [®] Phone: 603-222-2256 Fax: 603-222-2259 150 Dow Street, Manchester, NH 03101	
POWER DIVIDER, 2-WAY 10-50GHz, 2.4mm, 10 WATTS	
SIZE	CAGE CODE
c	3HT76
SCALE	3:1
DRAWING NUMBER	OS8590-6050-02
REV	-
SHEET	1 OF 1
TEMPLATE REV	-