REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	RELEASE	13-043	6/15/13	T. KUHN

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 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

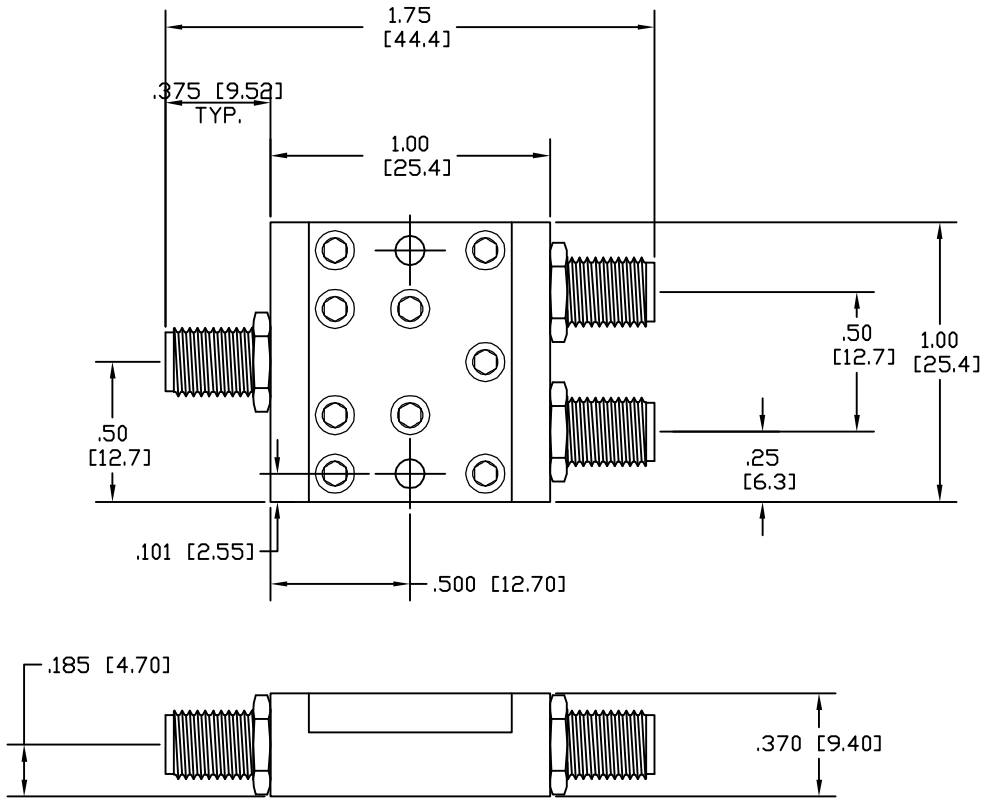
2.92mm CONNECTORS - FEMALE/JACK

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



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	MMS
.X"	.03"	[.76]
.XX"	.010"	[.25]
.XXX"	.005	[.127]
.XXXX"	.0005"	[.013]

ANGLES ±0°30'

REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005"

UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.

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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Phone:603-222-2256 Fax:603-222-2259
150 Dow Street, Manchester, NH 03101

TITLE
POWER DIVIDER, 2-WAY
10-40GHz, 2.92mm, 10 WATTS

SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	OS4890-6040-02	-

SCALE 3:1 | SQ. IN XXX | SHEET 1 OF 1

TEMPLATE REV -