

ELECTRICAL

FREQUENCY RANGE _____ 10 - 65 GHz

VSWR

10-50 GHz _____ 2.0:1 TYP. 2.2:1 MAX

50-65 GHz _____ 2.2:1 TYP. 2.5:1 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

10-50 GHz _____ 2.5 dB TYP

50-65 GHz _____ 4.5 dB MAX

ISOLATION _____ 15 dB MIN.

PHASE _____ 15° MAX.

(BETWEEN OUTPUT PORTS)

AMPLITUDE BALANCE _____ 1.5 dB MAX.

(BETWEEN OUTPUT PORTS)

OPERATING TEMP RANGE _____ -54°C TO +125°C

MECHANICAL

1.85mm CONNECTORS - FEMALE/JACK

CONTACTS _____ GOLD PLATED BERYLLIUM COPPER

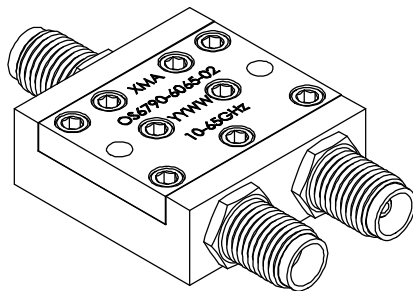
CONNECTOR HOUSING _____ PASSIVATED STAINLESS STEEL

CIRCUIT CASE _____ ALUMINUM ALLOY W/ CHEMICAL
CONVERSION COAT

RoHS COMPLIANT DEVICE

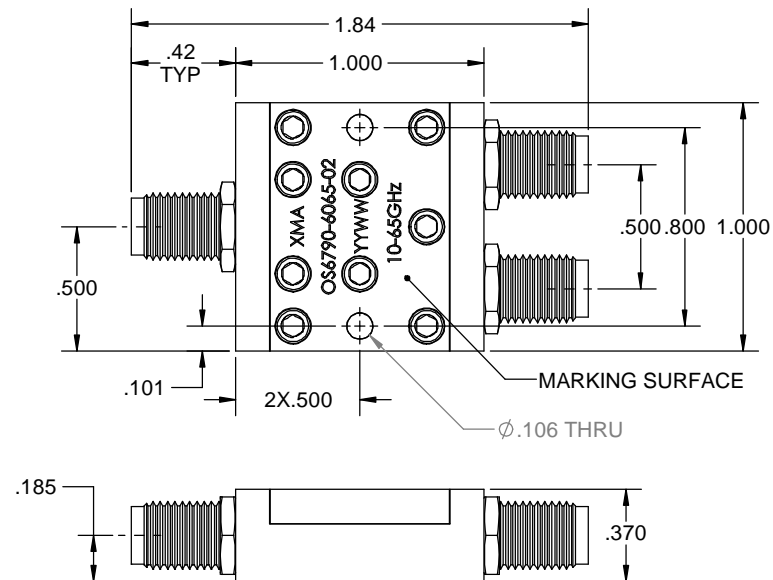
MARKING

PART LOOKS LIKE PRODUCT IMAGE SHOWN.
PART MARKING ORIENTATION AND FORMAT AS SHOWN.
MARKING TO BE AS LARGE AS POSSIBLE BE, CLEAR, READABLE.
YYWW EQUALS DATE CODE



REVISIONS

REV	DESCRIPTION	ECO #	DATE	APPROVED
X1	PRELIMINARY RELEASE		9/7/17	T.KUHN
X2	REVISED VSWR AND INSERTION LOSS	17-NP019	5/10/18	T.KUHN



QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	OS6790-6065-02	POWER DIVIDER, 2-WAY, 10-65 GHz, 1.85mm, 10W	
1	TA-OS6790-6065-02U	ASSY, POWER DIVIDER, 2-WAY, 10-65 GHz, 1.85mm, 10W, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y14.5
MIL-STD-100 & 1000DIMENSIONS ARE IN INCHES AND
APPLY BEFORE / AFTER PROCESSINGSURFACE
ROUGHNESS
μINCHES

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	[MM]
.X"	.05"	[1.27]
.XX"	.03"	[.76]
.XXX"	.010"	[.25]

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
T.KUHNDATE
9/7/17CHECKED
A.GAGNEDATE
9/7/17ENG. APPR.
T.KUHNDATE
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150 Dow Street, Manchester, NH 03101

TITLE

POWER DIVIDER, 2-WAY, 10-65 GHz, 1.85mm, 10W

SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	OS6790-6065-02	X2
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	