

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

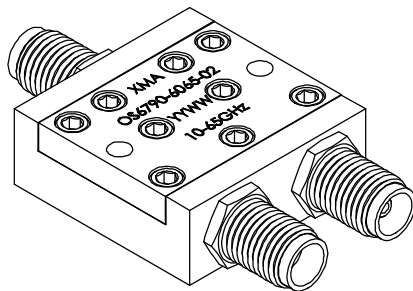
CONNECTOR HOUSING PASSIVATED STAINLESS STEEL

CIRCUIT CASE ALUMINUM ALLOY W/ CHEMICAL
CONVERSION COAT

RoHS COMPLIANT DEVICE

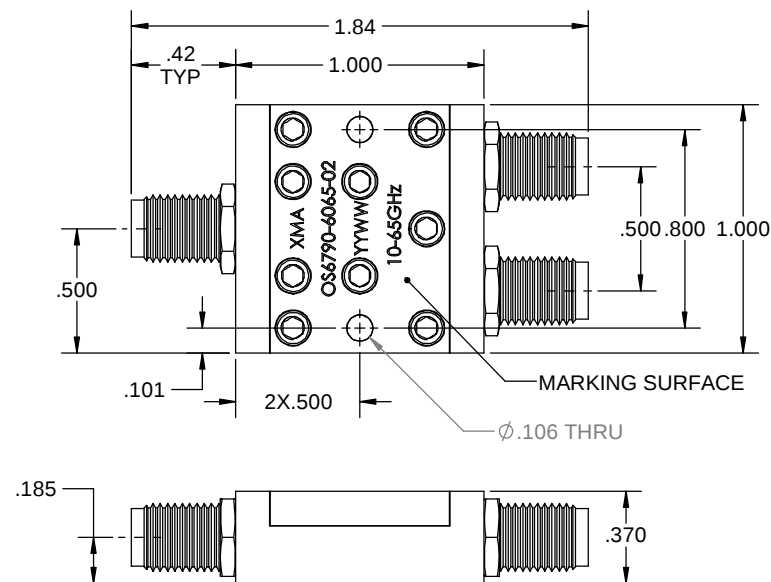
MARKING

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 & 1000

DIMENSIONS ARE IN INCHES AND
APPLY BEFORE / AFTER PROCESSING

SURFACE
ROUGHNESS
μINCHES

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.KUHN

CHECKED
A.GAGNE

ENG. APPR.
T.KUHN

DATE
9/7/17

DATE
9/7/17

DATE
9/7/17

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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	