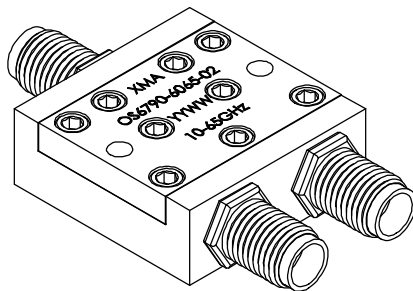


**ELECTRICAL**  
 FREQUENCY RANGE \_\_\_\_\_ 10 - 65 GHz  
 VSWR  
 10-50 GHz \_\_\_\_\_ 2.0:1 TYP. 2.2:1 MAX  
 50-65 GHz \_\_\_\_\_ 2.2:1 TYP. 2.5:1 MAX  
 INPUT POWER \_\_\_\_\_ 10 WATTS @ 25°C  
 (ASSUMES OUTPUT MATCH OF 2.0:1 OR BETTER. DERATES LINEARLY TO 10% WITH ARBITRARY LOAD)  
 IMPEDANCE \_\_\_\_\_ 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

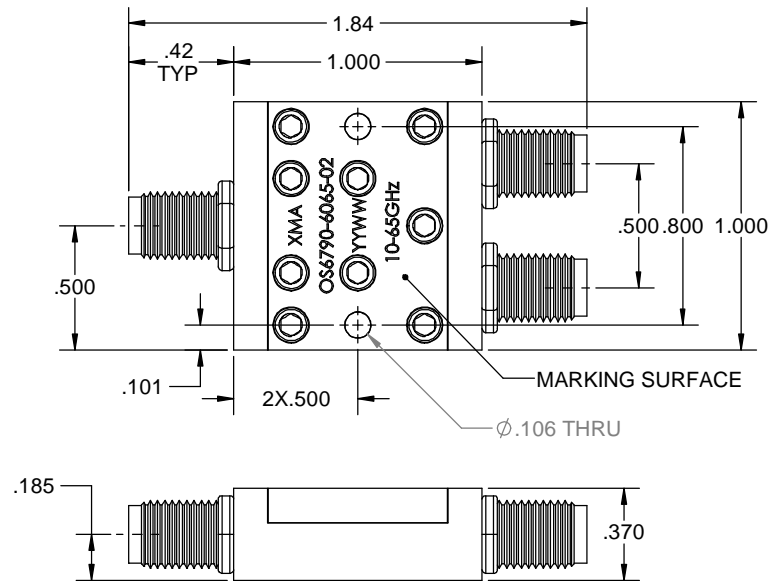
**MECHANICAL**  
 1.85mm CONNECTORS - FEMALE/JACK  
 CONTACTS \_\_\_\_\_ GOLD PLATED BERYLLIUM COPPER  
 CONNECTOR HOUSING \_\_\_\_\_ PASSIVATED STAINLESS STEEL  
 CIRCUIT CASE \_\_\_\_\_ ALUMINUM ALLOY W/ CHEMICAL  
 CONVERSION COAT  
 RoHS COMPLIANT DEVICE

**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
-	INITIAL RELEASE	20-094	7/7/20	MES



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-Y-14.5 MIL-STD-100 & 1000  
 DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING  
 SURFACE ROUGHNESS  $\mu$ 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 [MM]  
 .X" .05" [1.27]  
 .XX" .03" [.76]  
 .XXX" .010" [.25]  
 ANGLES  $\pm 0^{\circ}30'$   
 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** 9/7/17  
 CHECKED DATE  
**A.GAGNE** 9/7/17  
 ENG. APPR. DATE  
**T.KUHN** 9/7/17

Phone: 603-222-2256 Fax: 603-222-2259  
 7 Perimeter Road, Manchester, NH 03103  
 TITLE  
**POWER DIVIDER, 2-WAY, 10-65 GHz, 1.85mm, 10W**

SIZE	CAGE CODE	DRAWING NUMBER	REV
<b>B</b>	<b>3HT76</b>	<b>OS6790-6065-02</b>	-

SCALE PLATED AREA SQ. IN SHEET 1 OF 1