

SPECIFICATIONS

ELECTRICAL

IMPEDANCE \_\_\_\_\_ 50 OHMS.

FREQUENCY RANGE \_\_\_\_\_ DC TO 18 GHZ

VSWR \_\_\_\_\_ 1.25:1 MAX

MECHANICAL

HOUSING \_\_\_\_\_ C101 COPPER, GOLD PLATED WITH WHITE BRONZE UNDERPLATE (NO NICKEL)

DIELECTRIC \_\_\_\_\_ PTFE (TEFLON) IAW ASTM-D1710

CENTER CONTACT \_\_\_\_\_ BeCu, GOLD PLATED

ENVIROMENTAL

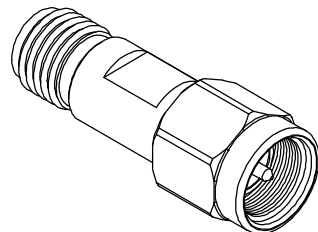
TEMPERATURE RANGE \_\_\_\_\_ 4 KELVIN TO +125° C

MARKING

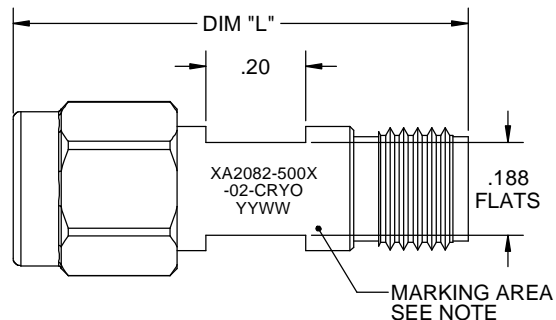
PART LOOKS LIKE PRODUCT IMAGE ABOVE.  
PART MARKING ORIENTATION AND FORMAT AS SHOWN.  
MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, READABLE.  
YYWW EQUALS DATE CODE .

ORDERING

REPLACE "X" WITH APPROPRIATE NUMBER FROM CHART BELOW.



REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
X1	PRELIMINARY RELEASE	20-ER027	2/8/21	JIM W



0 dB	PART NUMBER	DESCRIPTION	ITEM NO.
X	XA2082-500X-02-CRYO	ADAPTER, SMA-m/f, DC-18 GHz, CRYO	
-	TA-XA2082-500X-02U-CRYO	ASSY, ADAPTER, SMA-m/f, DC-18 GHz, CRYO, UNMARKED	

PART #	DIM "L" ±.030	REFERENCE LENGTH
XA2082-5004-02-CRYO	.915"	.723"
XA2082-5005-02-CRYO	1.047"	.855"
XA2082-5006-02-CRYO	1.877"	1.685"

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" [.127]  
.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 DATE  
**MCCORMICK** 2/9/21  
CHECKED DATE  
**MCCORMICK** 2/9/21  
ENG. APPR. DATE  
**JIM W** 2/9/21

Phone: 603-222-2256 Fax: 603-222-2259  
7 Perimeter Road, Manchester, NH 03103

TITLE  
**ADAPTER, SMA-m/f, DC-18GHz, CRYO**

SIZE	CAGE CODE	DRAWING NUMBER	REV
<b>B</b>	<b>3HT76</b>	<b>XA2082-500X-02-CRYO</b>	<b>X1</b>

SCALE PLATED AREA SQ. IN SHEET 1 OF 1

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