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SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ DC TO 18 GHz

ATTENUATION

0-6 dB _____ ±0.3 dB
 7-10, 20 dB _____ ±0.5 dB
 11-19, 21-30 dB _____ ±0.75 dB
 40 dB _____ ±1.0 dB
 50, 60 dB _____ ±2.0 dB
 (AVAILABLE IN 1/2 dB VALUES 0.5 - 10.5 dB)

VSWR

DC-4 _____ 1.15:1 MAX
 4-12.4 _____ 1.25:1 MAX
 12.4-18 _____ 1.35:1 MAX

POWER (AVG)

2 WATTS 0.5 dB AND ABOVE
50 WATTS FOR 0 dB UNIT

DERATED LINEARLY FROM 100% @+25°C TO 10% @ +125°C

POWER (PEAK)

500 WATTS

5 μS PULSE W, 0.05% DUTY CYCLE

IMPEDANCE

50 OHMS

MECHANICAL

OPERATING TEMP RANGE _____ 4 KELVIN TO +125°C
 1.24 LENGTH / WEIGHT MAX _____ 0.40oz. (11.3g)
 1.80 LENGTH / WEIGHT MAX _____ 0.60oz. (15.3g)

MATERIAL

OUTER CONDUCTOR _____ STAINLESS STEEL NON
MAGNETIC, PASSIVATED FINISH.

CENTER CONDUCTOR _____ BERYLLIUM COPPER, GOLD PLATED
FINISH.

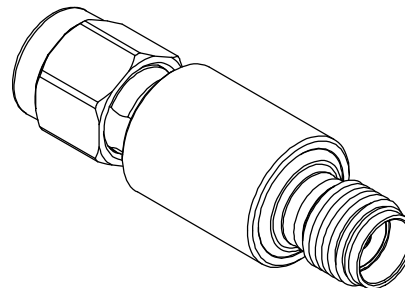
DIELECTRIC _____ TEFLON.

MATERIALS & FINISHES TYPICALLY PER MIL-PRF-39012

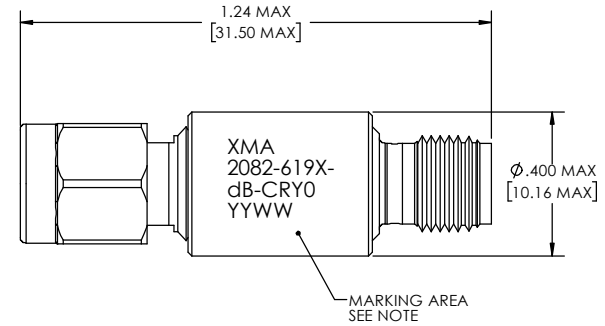
MARKING

PART LOOKS LIKE PRODUCT IMAGE ABOVE.
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.
 MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, READABLE, AND A
 BLACK COLOR.
 REPLACE "X-dB" WITH PART NUMBER SPECIFIED ON WORK ORDER.

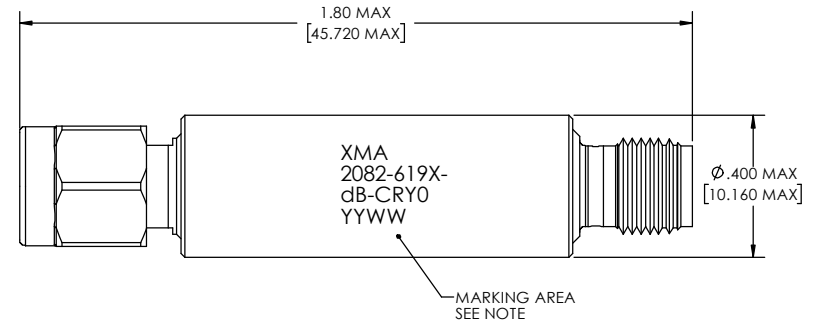
PLUG JACK	dB VALUE	PLUG JACK	dB VALUE
2082-6191-00-CRYO	0.0	2082-6194-12-CRYO	12.0
2082-6191-01-CRYO	1.0	2082-6194-13-CRYO	13.0
2082-6191-02-CRYO	2.0	2082-6194-14-CRYO	14.0
2082-6191-02-CRYO	2.0	2082-6194-15-CRYO	15.0
2082-6191-03-CRYO	3.0	2082-6194-16-CRYO	16.0
2082-6192-04-CRYO	4.0	2082-6194-17-CRYO	17.0
2082-6192-05-CRYO	5.0	2082-6194-18-CRYO	18.0
2082-6192-06-CRYO	6.0	2082-6194-19-CRYO	19.0
2082-6192-07-CRYO	7.0	2082-6194-20-CRYO	20.0
2082-6192-08-CRYO	8.0	2082-6195-30-CRYO	30.0
2082-6192-09-CRYO	9.0	2082-6196-40-CRYO	40.0
2082-6192-10-CRYO	10.0	2082-6196-50-CRYO	50.0
2082-6192-11-CRYO	11.0	2082-6196-60-CRYO	60.0



REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
A	ADDED TABLE	13-250	10/18/13	T.KUHN
B	REVISED MARKING, UPDATED FORMAT	17-090	6/12/17	T.KUHN



0 THRU 30 dB



40, 50, & 60 dB

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-619X-dB-CRYO	ATTENUATOR, SMA-m/f, DC-18GHz, 2W	
1	TA-2082-619X-dBU-CRYO	ASSY, ATTENUATOR, SMA-m/f, DC-18GHz, 2W, UNMARKED	1

<small>DRAWING PRACTICES PER ANSI Y14.5 DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING</small>	<small>UNLESS OTHERWISE SPECIFIED TOLERANCES IN: DECIMALS INCH (MM)</small>	<small>DRAWN DATE V.SHELBY 8/28/13</small>	
<small>SURFACE ROUGHNESS FINISHES</small>	<small>.X" .05" [1.27] .XX" .03" [.76] .XXX" .01" [.25]</small>	<small>CHECKED DATE T.KUHN 8/28/13</small>	
<small>FINISH: SEE NOTES</small>	<small>ANGLES ±0°30' REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.F.</small>	<small>ENG APPR. DATE T.KUHN 8/28/13</small>	<small>Phone:603-222-2256 Fax:603-222-2259 150 Dow Street, Manchester, NH 03103</small>
<small>NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.</small>	<small>DO NOT SCALE PRINT</small>	<small>THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. OR OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED IN WHOLE OR IN PART AS A BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP.</small>	<small>TITLE ATTENUATOR, SMA-m/f, DC-18GHz, 2W</small>
<small>INTERPRET LAW ANSI Y14.5-1982</small>		<small>SIZE CAGE CODE DRAWING NUMBER REV C 3HT76 2082-619X-dB-CRYO B</small>	<small>SCALE PLATED AREA SQ. IN SHEET 1 OF 1</small>

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