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REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	INITIAL RELEASE	20-088	6/24/20	T.KUHN

ELECTRICAL SPECIFICATIONS

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

1.38 LENGTH / WEIGHT MAX _____ 0.40oz. (11.3g)

1.95 LENGTH / WEIGHT MAX _____ 0.60oz. (15.3g)

MATERIAL

OUTER CONDUCTOR _____ STAINLESS STEEL NON MAGNETIC, PASSIVATED FINISH.

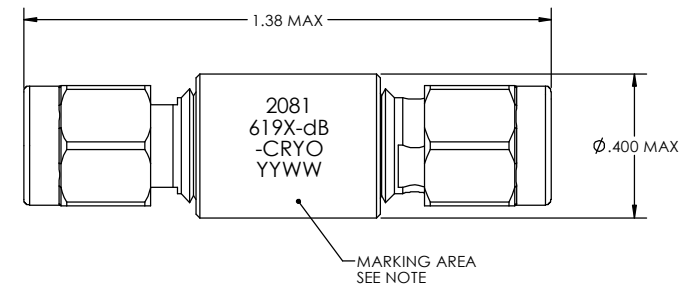
CENTER CONDUCTOR _____ BERYLLIUM COPPER, GOLD PLATED FINISH.

DIELECTRIC _____ TEFLON.

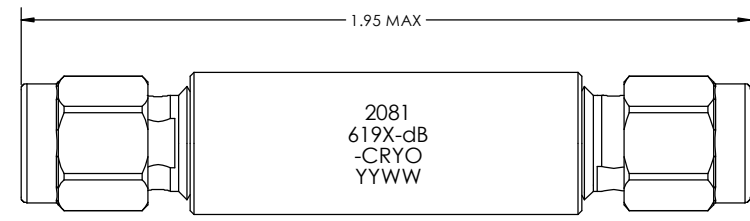
MATERIALS & FINISHES TYPICALLY PER MIL-PRF-39012

MARKING

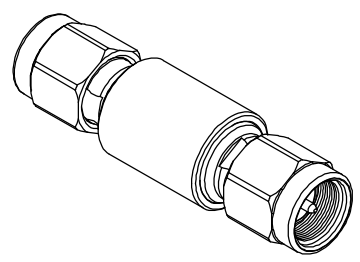
PART LOOKS LIKE PRODUCT IMAGE ABOVE.
PART MARKING ORIENTATION AND FORMAT AS SHOWN.
MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, READABLE, AND A BLACK COLOR.
REPLACE "X" WITH APPROPRIATE DIGIT IN PART NUMBER LISTED IN CHART BELOW.
YYWW EQUALS DATECODE.



0 THRU 30 dB



40, 50, & 60 dB



PART #	dB VALUE	PART #	dB VALUE
2081-6191-00-CRYO	0.0	2081-6193-10-CRYO	10.0
2081-6197-00-CRYO	0.5	2081-6199-10-CRYO	10.5
2081-6191-01-CRYO	1.0	2081-6194-11-CRYO	11.0
2081-6197-01-CRYO	1.5	2081-6194-12-CRYO	12.0
2081-6191-02-CRYO	2.0	2081-6194-13-CRYO	13.0
2081-6197-02-CRYO	2.5	2081-6194-14-CRYO	14.0
2081-6191-03-CRYO	3.0	2081-6194-15-CRYO	15.0
2081-6197-03-CRYO	3.5	2081-6194-16-CRYO	16.0
2081-6192-04-CRYO	4.0	2081-6194-17-CRYO	17.0
2081-6198-04-CRYO	4.5	2081-6194-18-CRYO	18.0
2081-6192-05-CRYO	5.0	2081-6194-19-CRYO	19.0
2081-6198-05-CRYO	5.5	2081-6194-20-CRYO	20.0
2081-6192-06-CRYO	6.0	2081-6195-30-CRYO	30.0
2081-6198-06-CRYO	6.5	2081-6196-40-CRYO	40.0
2081-6193-07-CRYO	7.0	2081-6196-50-CRYO	50.0
2081-6199-07-CRYO	7.5	2081-6196-60-CRYO	60.0
2081-6193-08-CRYO	8.0		
2081-6199-08-CRYO	8.5		
2081-6193-09-CRYO	9.0		
2081-6199-09-CRYO	9.5		

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2081-619X-dB-CRYO	ATTENUATOR, SMA-m/m, DC-18GHz, 2W, CRYO	
1	TA-2081-619X-dBU-CRYO	ASSY, ATTENUATOR, SMA-m/m, DC-18GHz, 2W, UNMARKED, CRYO	1

<small>DRAWING PRACTICES PER ANSI Y14.5 B1.1-10 & 1002</small> DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING SURFACE ROUGHNESS 63 FINISH: <input checked="" type="checkbox"/> 63 SEE NOTES MATERIAL: SEE NOTES NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION. <small>INTERPRET LAW ANSI Y14.5-1982</small>	<small>UNLESS OTHERWISE SPECIFIED TOLERANCES IN:</small> 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.F. DO NOT SCALE PRINT	DRAWN DATE McCORMICK 6/24/20 CHECKED DATE McCORMICK 6/24/20 ENG APPR. DATE T.KUHN 6/24/20 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.
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 Phone: 603-222-2256 Fax: 603-222-2259 7 Perimeter Road, Manchester, NH 03103 TITLE			
ATTENUATOR, SMA-m/m, DC-18GHz, 2W, CRYO			
SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	2081-619X-dB-CRYO	-
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	

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