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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

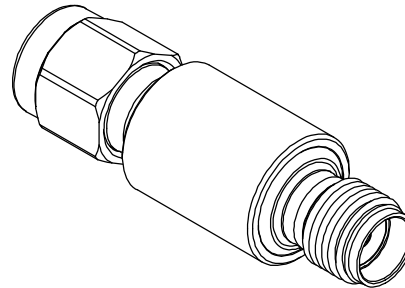
MECHANICAL
OPERATING TEMP RANGE _____ -65 TO +125°C
1.24 LENGTH / WEIGHT MAX _____ 0.40oz. (11.3g)
1.80 LENGTH / WEIGHT MAX _____ 0.60oz. (15.3g)

MATERIAL
OUTER CONDUCTOR _____ STAINLESS STEEL NON
MAGNETIC, PASSIVATED FINISH.
CENTER CONDUCTOR _____ BERYLLIUM COPPER, GOLD PLATED
FINISH.
DIELECTRIC _____ TEFLON.

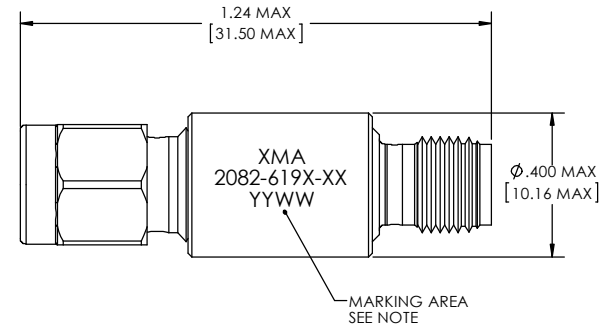
MATERIALS & FINISHES TYPICALLY PER MIL-PRF-39012

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-XX" WITH PART NUMBER SPECIFIED ON WORK ORDER.

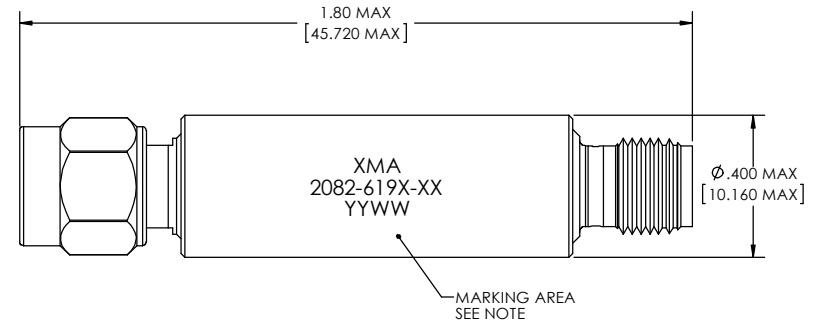
PLUG JACK	dB VALUE	PLUG JACK	dB VALUE
2082-6191-00	0.0	2082-6193-10	10.0
2082-6197-00	0.5	2082-6199-10	10.5
2082-6191-01	1.0	2082-6194-11	11.0
2082-6197-01	1.5	2082-6194-12	12.0
2082-6191-02	2.0	2082-6194-13	13.0
2082-6197-02	2.5	2082-6194-14	14.0
2082-6191-03	3.0	2082-6194-15	15.0
2082-6197-03	3.5	2082-6194-16	16.0
2082-6192-04	4.0	2082-6194-17	17.0
2082-6198-04	4.5	2082-6194-18	18.0
2082-6192-05	5.0	2082-6194-19	19.0
2082-6198-05	5.5	2082-6194-20	20.0
2082-6192-06	6.0	2082-6195-30	30.0
2082-6198-06	6.5	2082-6196-40	40.0
2082-6193-07	7.0	2082-6196-50	50.0
2082-6199-07	7.5	2082-6196-60	60.0
2082-6193-08	8.0		
2082-6199-08	8.5		
2082-6193-09	9.0		
2082-6199-09	9.5		



REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
H	ADDED TABLE	14-218	5/30/14	T.KUHN
J	ADDED DATE CODE	14-354	10/16/14	T.KUHN



0 THRU 30 dB



40, 50, & 60 dB

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

DRAWING PRACTICES PER ANSI Y14.5 DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	UNLESS OTHERWISE SPECIFIED TOLERANCES IN: INCH (MM)	DRAWN DATE McCORMICK 5/15/14
SURFACE FINISH ROUGHNESS IN INCHES 63	.X" .05" [1.27] .XX" .03" [.76] .XXX" .010" [.25]	CHECKED DATE McCORMICK 5/15/14
FINISH: SEE NOTES	ANGLES ±0°30' REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.F.	ENG APPR. DATE T.KUHN 5/15/14
MATERIAL: SEE NOTES	NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.	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.
INTERPRET LAW ANSI Y14.5-1982	DO NOT SCALE PRINT	SCALE C 3HT76 PLATED AREA 50 IN

DATE 5/15/14	DATE 5/15/14	DATE 5/15/14
DATE 5/15/14	DATE 5/15/14	DATE 5/15/14
DATE 5/15/14	DATE 5/15/14	DATE 5/15/14

ATTENUATOR, SMA-m/f, DC-18GHz, 2W			
SIZE C	CAGE CODE 3HT76	DRAWING NUMBER 2082-619X-dB	REV J
SCALE	PLATED AREA 50 IN	SHEET 1 OF 1	

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