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SPECIFICATIONS

ELECTRICAL  
FREQUENCY RANGE \_\_\_\_\_ DC TO 6 GHz

ATTENUATION  
0-6 dB \_\_\_\_\_ ±0.3 dB  
7-10, 20 dB \_\_\_\_\_ ±0.5 dB  
11-19, 21-30 dB \_\_\_\_\_ ±0.7 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 GHz \_\_\_\_\_ 1.15:1 MAX  
4-6 GHz \_\_\_\_\_ 1.25:1 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

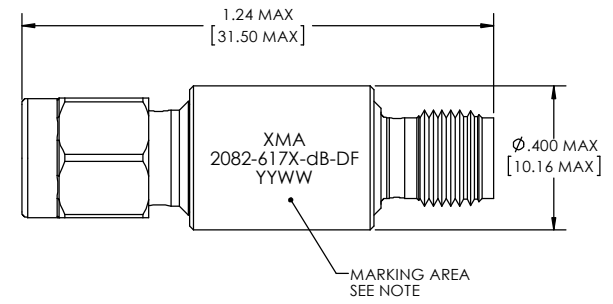
MECHANICAL  
OPERATING TEMP RANGE \_\_\_\_\_ -65 TO +125°C  
1.24 LENGTH / WEIGHT MAX \_\_\_\_\_ 0.40oz. (11.3g)  
1.80 LENGTH / WEIGHT MAX \_\_\_\_\_ 0.60oz. (15.3g)

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

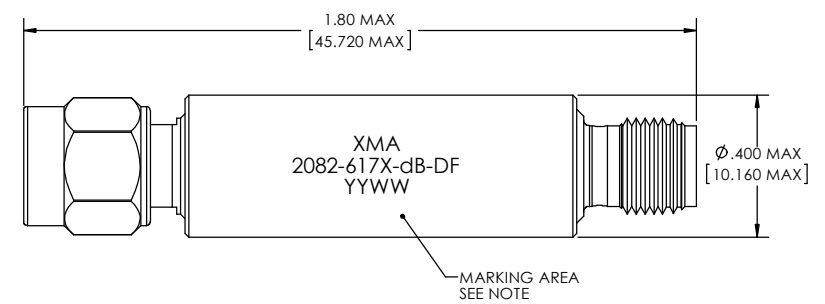
MATERIALS & FINISHES TYPICALLY PER MIL-PRF-39012

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

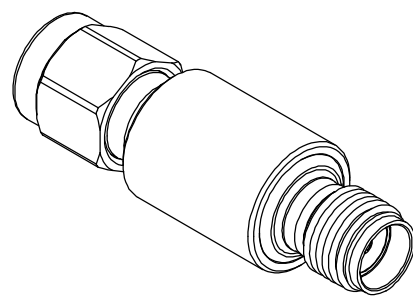
REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	INITIAL RELEASE	13-213	9/19/13	T KUHN
A	UPDATED;ADDED MARKING	15-224	7/16/15	T KUHN



**0 THRU 30 dB**



**40, 50, & 60 dB**



PLUG JACK	dB VALUE	PLUG JACK	dB VALUE
2082-6171-00-DF	0.0	2082-6173-10-DF	10.0
2082-6177-00-DF	0.5	2082-6179-10-DF	10.5
2082-6171-01-DF	1.0	2082-6174-11-DF	11.0
2082-6177-01-DF	1.5	2082-6174-12-DF	12.0
2082-6171-02-DF	2.0	2082-6174-13-DF	13.0
2082-6177-02-DF	2.5	2082-6174-14-DF	14.0
2082-6171-03-DF	3.0	2082-6174-15-DF	15.0
2082-6177-03-DF	3.5	2082-6174-16-DF	16.0
2082-6172-04-DF	4.0	2082-6174-17-DF	17.0
2082-6178-04-DF	4.5	2082-6174-18-DF	18.0
2082-6172-05-DF	5.0	2082-6174-19-DF	19.0
2082-6178-05-DF	5.5	2082-6174-20-DF	20.0
2082-6172-06-DF	6.0	2082-6175-30-DF	30.0
2082-6178-06-DF	6.5	2082-6176-40-DF	40.0
2082-6173-07-DF	7.0	2082-6176-50-DF	50.0
2082-6179-07-DF	7.5	2082-6176-60-DF	60.0
2082-6173-08-DF	8.0		
2082-6179-08-DF	8.5		
2082-6173-09-DF	9.0		
2082-6179-09-DF	9.5		

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-617X-dB-DF	ATTENUATOR, SMA-m/f, DC-6 GHz, 2W	
1	TA-2082-619X-dBU-DF	ASSY, ATTENUATOR, SMA-m/f, DC-18 GHz, 2W, UNMARKED	1

DRAWING PRACTICES PER ANSI Y14.5  
E8-STD-150 & 100E

UNLESS OTHERWISE SPECIFIED TOLERANCES IN:  
DECIMALS INCH (MM)

DECIMALS INCH (MM)  
.X" .05" [1.27]  
.XX" .03" [.76]  
.XXX" .010" [.25]

FINISH: 63

SEE NOTES

NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.

INTERPRET LAW ANSI Y14.5-1982

UNLESS OTHERWISE SPECIFIED 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 McCORMICK 9/9/13  
CHECKED McCORMICK 9/9/13  
ENG APPR. T.KUHN 9/9/13

DATE 9/9/13

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Phone:603-222-2256 Fax:603-222-2259  
150 Dow Street, Manchester, NH 03103

ATTENUATOR, SMA-m/f, DC-6 GHZ, 2W

SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	2082-617X-dB-DF	A

SCALE PLATED AREA 50 IN SHEET 1 OF 1

This unit will use raw materials that are in accordance with DFAR Clause 252.225-7014, "Preference For Domestic Specialty Metals, Alt. 1." Metals must have been melted in the United States, its outlying areas, or a qualifying country listed in DFARS 225.872-1.

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