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ELECTRICAL

SPECIFICATIONS

FREQUENCY RANGE: _____ DC - 12.4 GHz
 ATTENUATION: _____ SEE TABLE
 ATTENUATION DEVIATION TOLERANCE: _____ SEE TABLE
 VSWR: (MAX.): _____
 DC - 4 GHz _____ 1.15:1
 4 - 12.4 GHz _____ 1.25:1
 IMPEDANCE: _____ 50 OHMS
 TEMPERATURE RANGE (°C) _____ -65 TO +125 OPERATING
 +150° STORAGE
 POWER (AVG) _____ 5 WATTS**
 POWER (PEAK) (<5 μSEC PW, <0.15% DUTY CYCLE) 500 WATTS
 **POWER DERATES LINEARLY FROM +25°C TO 10% @ +125°C

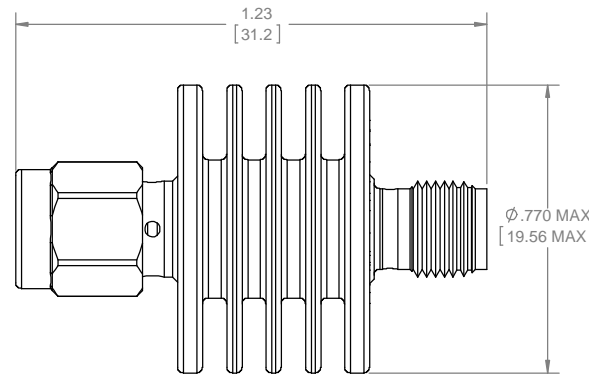
MECHANICAL SPECIFICATIONS

MATERIALS (CONNECTORS PER MIL-PRF-39012 & MIL-DTL-3933)
 CENTER CONDUCTOR: BERYLLIUM COPPER PER QQ-C-530, ASTM B196,
 ASTM-B197 ALLOYS C17200 OR C17300 PER MIL-PRF-39012.GOLD
 PLATED PER MIL-PRF-39012
 OUTER CONDUCTOR: STAINLESS STEEL, CORROSION RESISTANT PER
 ASTM A484 & A582, CLASS 303, COND. A. PASSIVATED PER ASTM A380
 DIELECTRIC: TEFLON PER ASTM D1710.
 HOUSING: ALUMINUM (May be one of several QQ-A-XXX or ASTM standards)
 RESISTOR SUBSTRATE AIN OR ALUMINUM OXIDE.RESISTOR: PROPRIETARY
 THIN FILM HYBRID WITH PROTECTIVE SiO COATING.

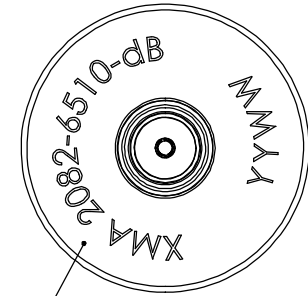
MARKING INSTRUCTIONS

PART LOOKS LIKE PRODUCT IMAGE ABOVE.
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.
 USE SCRIBING LASER WITH MULTI PASS FOR CHARACTERS.
 WHITE/SILVER CHARACTERS ON BLACK ANODIZE ALUMINUM.
 OPT - WHITE SILVER EPOXY INK.
 MARKING TO BE AS LARGE AS POSSIBLE BE, CLEAR, READABLE, AND
 A WHITE COLOR.
 -dB VALUE TO BE ONE OR TWO DIGIT NUMBER AS SPECIFIED ON WORK
 ORDER.
 YYWW EQUALS DATE CODE.

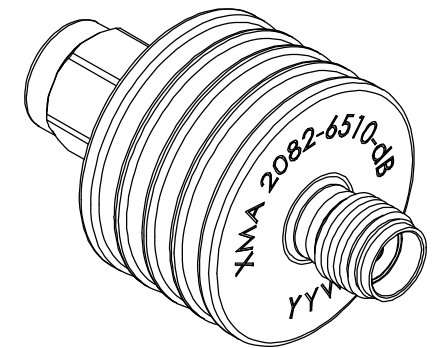
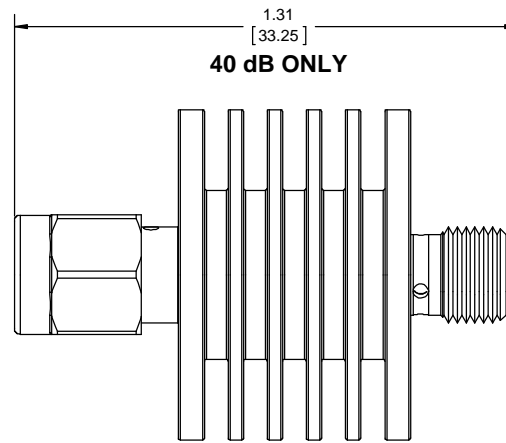
DASH NO.	NOM DB	MAX DEV.
-01	1	±0.3
-02	2	±0.3
-03	3	±0.3
-04	4	±0.3
-05	5	±0.3
-06	6	±0.3
-07	7	±0.5
-08	8	±0.5
-09	9	±0.5
-10	10	±0.5
-11	11	±0.5
-12	12	±0.5
-15	15	±0.5
-20	20	±0.5
-30	30	±0.75
-40	40	±1.25



REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
E	REVISED REDRAWN UPDATED FORMAT		5/19/11	DS
F	REDRAWN IN SOLIDWORKS:INCLUDED MARKING	15-223	7/15/15	T.KUHN



MARKING
SEE NOTES



01-30 dB	40 dB	PART NUMBER	DESCRIPTION	ITEM NO.
		TA-2082-6510-dB	ATTENUATOR, SMA, AIR COOLED, 5W, UP TO 12.4 GHz	
-	1	TA-2082-6524-40U	ASSY, ATTENUATOR, SMA, AIR COOLED, 5W, UP TO 12.4 GHz, UNMARKED	
1	-	TA-2082-6524-dBU	ASSY, ATTENUATOR, SMA, AIR COOLED, 5W, UP TO 12.4 GHz, UNMARKED	

DRAWING PRACTICES PER ANSI Y14.5
 DIMENSIONS ARE IN INCHES AND
 APPLY BEFORE/AFTER PROCESSING
 SURFACE ROUGHNESS 63
 FINISH:
 SEE NOTES
 MATERIAL:
 REMOVE ALL BURRS/SHARP W/
 BREAK / R OF .003" TO .0005"
 UNLESS OTHERWISE NOTED
 DIAS CONCENTRIC <.003 T.I.R.
 NOTE:
 THIS DRAWING INCORPORATES
 THIRD ANGLE PROJECTION.
 INTERPRET LAW ANSI Y14.5-1982

UNLESS OTHERWISE SPECIFIED
 TOLERANCES IN:
 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.R.
 DO NOT SCALE PRINT

DRAWN DATE
 T.MAIN 5/18/11
 CHECKED DATE
 McCORMICKS/18/11
 ENG APPR. DATE
 DS 5/18/11
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 150 Dow Street, Manchester, NH 03101
 TITLE
**ATTENUATOR, SMA, AIR COOLED,
 5W, UP TO 12.4 GHz**

SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	2082-6510-dB	F

SCALE PLATED AREA 50 IN SHEET 1 OF 1

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