

4

3

2

1

ELECTRICAL**SPECIFICATIONS**

FREQUENCY RANGE: _____ DC - 18 GHz

ATTENUATION: _____ SEE TABLE

ATTENUATION DEVIATION TOLERANCE: _____ SEE TABLE

VSWR: (MAX.): _____

DC - 4 GHz	1.15:1
4 - 12.4 GHz	1.25:1
12.4 - 18 GHz	1.35:1

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-39012OUTER CONDUCTOR: STAINLESS STEEL, CORROSION RESISTANT PER
ASTM A484 & A582, CLASS 303, COND. A. PASSIVATED PER ASTM A380

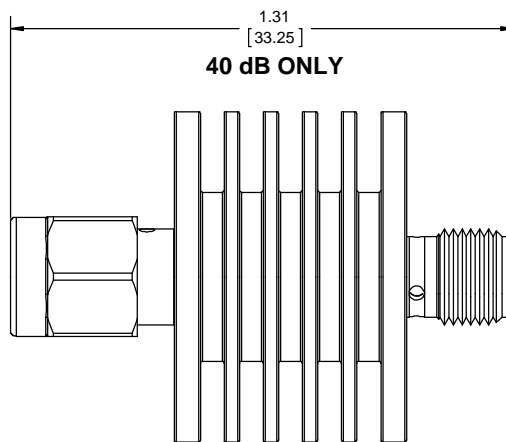
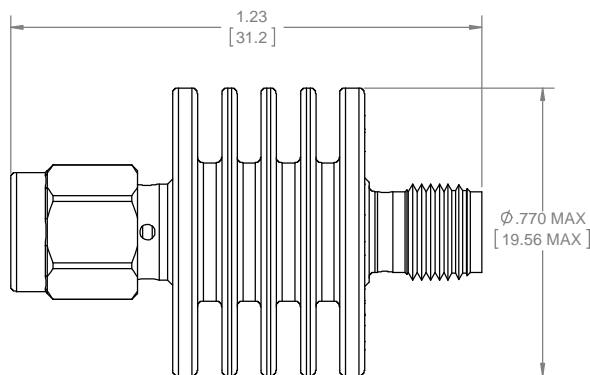
DIELECTRIC: TEFLON PER ASTM D1710.

HOUSING: ALUMINUM (May be one of several QQ-A-XXX or ASTM standards)

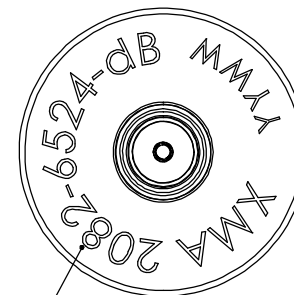
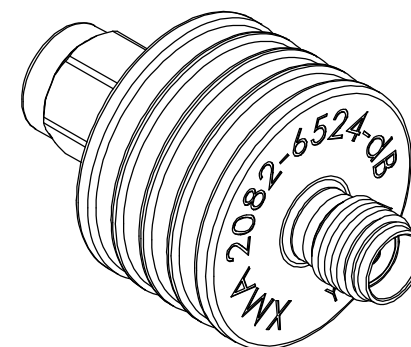
RESISTOR SUBSTRATE AIN OR ALUMINUM OXIDE. RESISTOR: PROPRIETARY
THIN FILM HYBRID WITH PROTECTIVE SiO COATING.**MARKING INSTRUCTIONS**

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.
 YYYY 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
J	REDRAWN IN SOLIDWORKS; INCLUDED MARKING	14-231	6/10/14	T.KUHN
K	ADDED -40 TO TABLE	14-244	7/01/14	T.KUHN
L	ADDED DATE CODE	15-181	6/15/15	T.KUHN

MARKING
SEE NOTES

01 -30 dB	40 dB	PART NUMBER	DESCRIPTION	ITEM NO.
		2082-6524-dB	ATTENUATOR, SMA, AIR COOLED, 5W, UP TO 18GHz	
-	1	TA-2082-6524-40U	ASSY, ATTENUATOR, SMA, AIR COOLED, 5W, UP TO 18GHz, UNMARKED	
1	-	TA-2082-6524-dBU	ASSY, ATTENUATOR, SMA, AIR COOLED, 5W, UP TO 18GHz, UNMARKED	

DRAWING PRACTICES PER ANSI Y14.5 DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	UNLESS OTHERWISE SPECIFIED TOLERANCES IN: DECIMALS INCH (MM)	DRAWN DATE McCORMICK6/10/14
SURFACE ROUGHNESS FINISH: 63	.X" .05" [1.27] .XX" .03" [.76] .XXX" .01" [.25]	CHECKED DATE McCORMICK6/10/14
SEE NOTES	ANGLES ±0°30' REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.	ENG APPR. DATE T.KUHN 6/10/14
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	PHONE: 603-222-2256 FAX: 603-222-2259 150 Dow Street, Manchester, NH 03101

DATE
6/10/14
DATE
6/10/14
DATE
6/10/14



ATTENUATOR, SMA, AIR COOLED,
5W, UP TO 18GHz

SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	2082-6524-dB	L
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	

4

3

2

1

TEMPLATE REV A