

PRODUCTION
RELEASE

NOTE:
THIS DRAWING INCORPORATE
THIRD ANGLE PROJECTION

REVISIONS			
REV	DESCRIPTION		APPROVED
-	INITIATED NEW DRAWING	05/19/11	D.S.S

ATTENUATION: SEE TABLE

ATTENUATION DEVIATION TOLERANCE: SEE TABLE

IMPEDANCE: 50 OHMS

TEMPERATURE RANGE (°C) -65 TO +125 OPERATING
+150° STORAGE

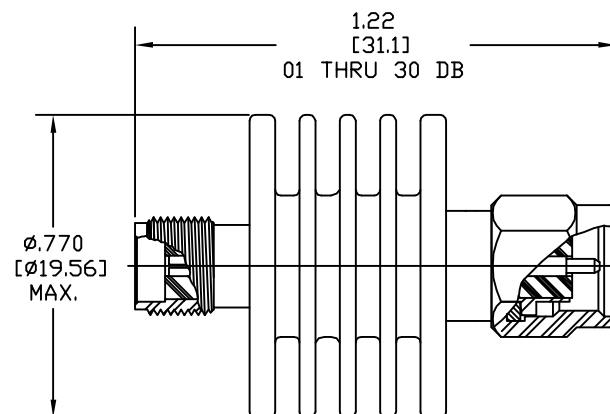
POWER (AVG)	5 WATTS**
POWER (PEAK) (<5 m SEC PW, <0.2% DUTY CYCLE)	500 WATTS

**POWER DERATES LINEARLY FROM +25°C TO <10 °C @+125°C

DASH NO.	NOM. DB	MAX. DEV.	DASH NO.	NOM. DB	MAX. DEV.
-01	1	±.3	-10	10	±.5
-02	2	±.3	-11	11	±.5
-03	3	±.3	-12	12	±.5
-04	4	±.3	-15	15	±.5
-05	5	±.3	-20	20	±.5
-06	6	±.3	-30	30	±.75
-07	7	±.5	-40	40	±1.25
-08	8	±.5	-50	50	±2.0
-09	9	±.5			

MAX. FREQ. ORDER P/N DB VALUES AVAIL.

2.5 GHz	2082-6522-DB	1-50 DB STD
4 GHz	2082-6520-DB	1-50 DB STD
12.4 GHz	2082-6510-DB	1-40 DB STD
18 GHz	2082-6524-DB	1-40 DB STD



MATERIALS (ALL 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.

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

DIELECTRIC: TEFLON PER ASTM D1710.

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

RESISTOR SUBSTRATE AIN OR ALUMINUM OXIDE.

FINISH (COMPLY WITH MIL-DTL-3933):

CENTER CONDUCTOR: GOLD PLATED PER MIL-PRF-39012.

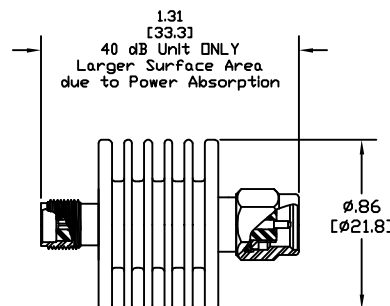
OUTER CONDUCTOR: PASSIVATED PER ASTM A380 AND MIL-PRF-39012.

HOUSING: BLACK ANODIZE.

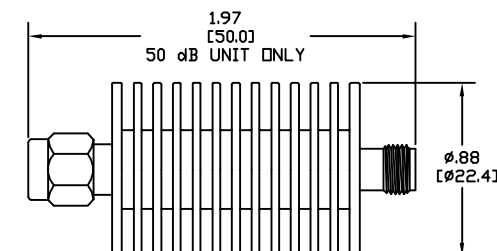
RESISTOR: PROPRIETARY THIN FILM HYBRID WITH PROTECTIVE SiO COATING.

FOR UNMARKED UNITS OR FOR CUSTOM MARKING CONTACT FACTORY FOR PART
NUMBER / SUFFIX TO APPEND TO MODEL NUMBER

ENVIRONMENTAL CAPABILITIES AND DESIGN COMPLY WITH MIL-DTL-3933 FOR CLASS IV DEVICES (SOME PARAMETERS COMPLY WITH TYPE III OR BETTER).



NOT TO SCALE



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DRAWING PRACTICES PER ANSI-Y-14.3 MIL-STD-100 & 1000	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	
SURFACE ROUGHNESS	63 ✓
FINISH: SEE NOTES	
MATERIAL: SEE NOTES	

TOLERANCES UNLESS OTHERWISE SPECIFIED		
DECIMALS	INCH	MILL
.X"	.03"	[.76]
.XX"	.010"	[.25]
.XXX"	.005	[.127]
.XXXX"	.0005"	[.013]
ANGLES	$\pm 0^{\circ}30'$	

REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005"

UNLESS OTHERWISE NOTED
DIAS CONCENTRIC <.003 T.I.R.

DRAWN T. MAIN	DATE 05/19/2010
CHECKED	DATE
ENG. D. SAUNDERS	DATE 05/19/2010

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TITLE
5 Watt SMA Attenuator Air Cooled, up to 6 GHz

SIZE C	CAGE CODE 3HT76	DWG NO. 2082-6526-dB	
SCALE 4:1	PLATING AREA FLAME-PAINTED	XXX	SHEET 1 OF 1