

SPECIFICATIONS

FREQUENCY RANGE: _____ DC - 18GHz

ATTENUATION: _____ SEE TABLE

ATTENUATION DEV. TOL.: _____ SEE TABLE

VSWR (MAX.): (1-40 dB) _____ 1.15:1 (DC - 4 GHz)

_____ 1.25:1 (4 - 12.4 GHz)

_____ 1.35:1* (12.4 - 18 GHz)

50 & 60 dB _____ <1.45 (15 GHz-18 GHz)

POWER (AVG): _____ 5 WATTS CW

(PEAK): _____ DERATES LINEARLY FROM 25°C TO 10 % @125°C

_____ 500 WATTS MAX.

IMPEDANCE(NOM.): _____ @5 μSEC PULSE WIDTH x 0.25 % DUTY CYCLE

_____ 50 OHMS

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	-60	60	±2.5

NOTES:

1. MATERIALS (COMPLY WITH MIL-DTL-3933 AND MIL-PRF-39012):

CENTER CONDUCTOR: BERYLLIUM COPPER PER QQ-C-530, ASTM B196,
ASTM-B197 ALLOYS C17200 OR C17300 PER
MIL-PRF-39012

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

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

DIELECTRIC: TEFLON PER ASTM D1710.

RESISTOR SUBSTRATE AIN OR ALUMINA CERAMIC,

2. FINISH: (COMPLY WITH MIL-DTL-3933 AND MIL-PRF-39012):

CENTER CONDUCTOR: GOLD PER ASTM-B488 AND MIL-PRF-39012

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

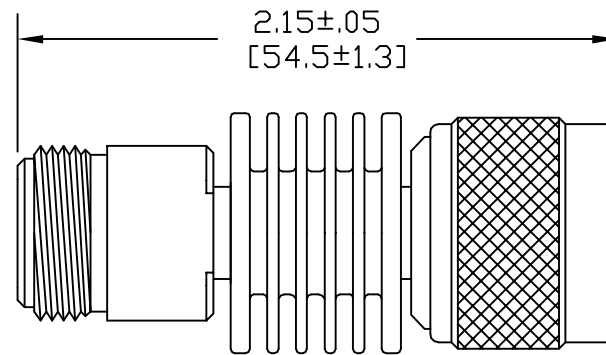
HOUSING: BLACK ANODIZE

RESISTOR: PROPRIETARY THIN FILM HYBRID W/ PROTECTIVE COATING

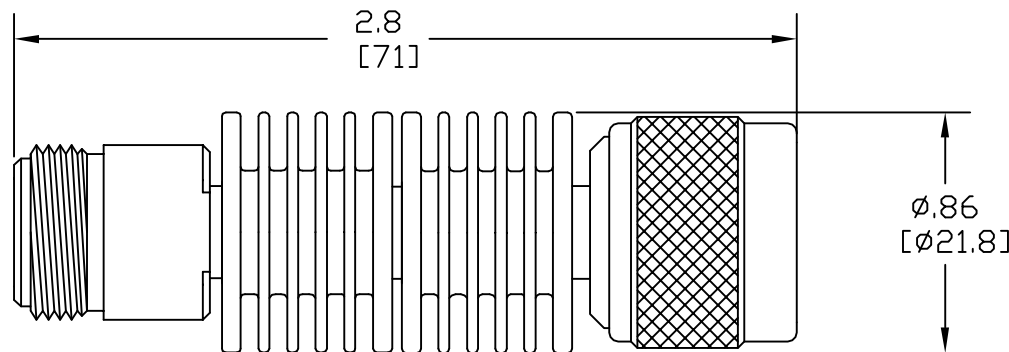
3. ENVIRONMENTAL CAPABILITIES AND DESIGN COMPLY WITH MIL-DTL-3933
FOR CLASS IV DEVICES (SOME PARAMETERS COMPLY WITH TYPE
III OR BETTER).

ALSO AVAILABLE IN MALE TO MALE, FEMALE TO FEMALE, SMA; TNC; DIN 7-16 VERSIONS AS
WELL AS BETWEEN SERIES ADAPTENUATORS.

REVISIONS				
REV	DESCRIPTION	ECD #	DATE	APPROVED
A	CUSTOMIZE FOR FREQ RANGE		11/02/10	T. KUHN
B	UPDATED TO NEW FORMAT	13-094	4/18/13	T. KUHN



1 - 30dB



40 - 60dB

DRAWING PRACTICES PER ANSI-Y14.5 MIL-STD-883C CLASS B		UNLESS OTHERWISE SPECIFIED TOLERANCES IN:	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/ AFTER PROCESSING		DECIMALS	INCH DIM
SURFACE ROUGHNESS	63	XXX"	.03" [.76]
FINISH		.000"	.010" [.25]
SEE NOTES		.000"	.005 [.127]
SEE NOTES		.000"	.0005" [.013]
NOTE:		ANGLES	±0°30'
THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION		REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005"	
INTERPRET JAW ANSI Y14.5-1998		UNLESS OTHERWISE NOTED DIA5 CONCENTRIC <.003 T.I.R.	
		DO NOT SCALE PRINT	

DRAWN	DATE
D. SAUNDERS	
CHECKED	DATE
ENG APPR.	DATE
D. SAUNDERS	

		Powered by: Omni Spectra®	
Phone:603-222-2256 Fax:603-222-2259 150 Dow Street, Manchester, NH 03101			
TITLE			
ATTENUATOR, 5 WATT TYPE N, DC-18 GHz			
SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	3082-6524-dB	B
SCALE	3:1	SHEET	1 OF 1