

ELECTRICAL

FREQUENCY RANGE _____ DC- 18 GHz

ATTENUATION ACCURACY _____ DC-18 GHz

1- 6 dB _____ ± 0.50 dB

7-12, 15 & 20 dB _____ ± 0.60 dB

30 dB _____ ± 0.80 dB

(if 30 dB needed this is a custom order and housing length will be longer)

VSWR

DC - 6 GHz _____ 1.15:1 MAX

6 - 18 GHz _____ 1.30:1 MAX

INPUT POWER _____ 2 WATT AVG. @ 25°C

DERATES LINEARLY TO 10 % @ 125°C FROM 25°C

RF LEAKAGE/RFI _____ >90 dBc (>120 dBc TYP.)

PEAK POWER _____ 100 WATTS

(5 μ Sec PULSE WIDTH, .05 % DUTY CYCLE)

IMPEDANCE _____ 50 OHMS

OPERATING TEMP RANGE _____ -65°C TO +125°C

CONFORMANCE TESTING IS 100% ATTENUATION AND V.S.W.R.
ACROSS SWEEPED FREQUENCY RANGE AT 20-25°C

MECHANICAL

CONNECTOR BODIES _____ PASSIVATED STAINLESS STEEL

CENTER CONDUCTORS _____ GOLD PLATED BERYLLIUM COPPER

INSULATORS _____ PTFE (TEFLON) IAW ASTM-D1710

RESISTIVE ELEMENT _____ THIN FILM ON CERAMIC RESISTIVE CIRCUIT

NOT A HERMETIC SEALED UNIT

RECOMMENDED CONNECTION TORQUE IS 7-8 in./Lbs. (0.8 to 0.9 Nm)

PRODUCTION
RELEASE

NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION.
INTERPRET IAW ANSI Y14.5-1992

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
-	RELEASE	10/13/2011	D. Saunders

0.312 HEX

.88 $\pm$.03
[22.4 $\pm$.8]

.92 $\pm$.03
[23.4 $\pm$.8]

(Outline of 30 dB Only)

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-883C & 3800	UNLESS OTHERWISE SPECIFIED TOLERANCES IN DECIMALS INCH MM .XX" .03" [.76] .XXX" .010" [.25] .XXXX" .005 [.127] .XXXXX" .0005" [.013] ANGLES $\pm 0^{\circ}30'$ REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .005" UNLESS OTHERWISE NOTED DIA CONCENTRIC <.003 T.I.R.	DRAWN D. SAUNDERS 01/01/2007 CHECKED D. SAUNDERS 01/01/2007 DATE DATE
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MATERIAL SEE NOTES		

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150 Dow Street, Manchester, NH 03101			
TITLE			
SSMA ATTENUATOR			
FIXED, 1 WATT			
SIZE	CAGE CODE	DWG NO.	
C	3HT76	1082-6118-DB	
SCALE	8:1	PLATING	XXX
SHEET 1		OF 1	