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REVISIONS

REV	DESCRIPTION	ECD #	DATE	APPROVED
-	RELEASED	13-181	8/28/13	T. KUHN
-	CHNG OK TO 4K	13-250	10/18/13	T. KUHN

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ DC TO 18 GHz

ATTENUATION _____ 0-6 dB _____ ± 0.3 dB
7-10, 20 dB _____ ± 0.5 dB
11-19, 21-30 dB _____ ± 0.7 dB
40 dB _____ ± 1.0 dB
50, 60 dB _____ ± 2.0 dB

(AVAILABLE IN 1/2 dB VALUES 0.5 - 10.5 dB)

VSWR(MAX) _____ DC-4 _____ 1.15
4-12.4 _____ 1.25
12.4-18 _____ 1.35

POWER _____ 2 WATTS (AVG) 0.5 dB AND ABOVE
50 WATTS FOR 0 dB UNIT
500 WATTS (PEAK)

DERATED LINERALLY FROM 100% AT +25° C TO 10% AT +125° C

* 5m S PULSE W, 0.05% DUTY CYCLE

IMPEDANCE _____ 50 OHMS

MECHANICAL

OPERATING TEMP RANGE 4° KELVIN TO +125° C
150° C STORAGE

1.24 LENGTH / WEIGHT MAX. 0.40oz. (11.3g)

1.80 LENGTH / WEIGHT MAX. 0.60oz. (15.3g)

MATERIAL

OUTER CONDUCTOR: STAINLESS STEEL NON MAGNETIC,
PASSIVATED FINISH.

CENTER CONDUCTOR: BERYLLIUM COPPER, GOLD PLATED FINISH.

DIELECTRIC: TEFLON.

MATERIALS & FINISHES TYPICALLY PER MIL-PRF-39012

ORDERING INFORMATION

2082-6191 -01 THRU -03

2082-6192 -04 THRU -06

2082-6193 -07 THRU -10

2082-6194 -11 THRU -20

2082-6195 -30

2082-6196 -40, -50, -60

2081-619X-dB FOR MALE TO MALE

2080-619X-dB FOR FEMALE TO FEMALE

1 Thru 30 dB

1.24 [31.50]
MAXSMA JACK
INTERFACE PER
MIL-STD-348 $\phi .400$
[10.16]
MAXSMA PLUG
INTERFACE PER
MIL-STD-348MARKING:
OMNI SPECTRA OR XMA
2082-619X-DBSMA JACK
INTERFACE PER
MIL-STD-348 $\phi .400$
[10.16]
MAX1.80 [45.72]
MAX

40, 50, & 60 dB

DRAWING PRACTICES PER ANSI-Y-14.5
MIL-STD-883C 1990DIMENSIONS ARE IN INCHES AND
APPLY BEFORE/AFTER PROCESSINGSURFACE
ROUGNESS 63

FINISH

SEE NOTES

MATERIAL

SEE NOTES

NOTED
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION

INTERPRET IAW ANSI Y14.5-1992

UNLESS OTHERWISE SPECIFIED
TOLERANCES IN:DECIMALS INCH DIM
".00" .03" [.76]
".000" .010" [.25]
".0000" .005 [.127]
".0000" .0005 [.013]ANGLES $\pm 0^{\circ}30'$ REMOVE ALL BURRS/SHARP W/
BREAK / R OF .003" TO .005"
UNLESS OTHERWISE NOTED.
DIAS CONCENTRIC $\pm .003$ T.I.R.

DO NOT SCALE PRINT

DRAWN DATE
V. SHELBY 8/28/13

CHECKED DATE

T. KUHN 8/28/13

ENG APPR. DATE

T. KUHN 8/28/13

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FIXED COAXIAL ATTENUATOR

SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	2082-619X-XX-CRYO	A
SCALE 4:1	30.00 IN	XXX	SHEET 1 OF 1

TEMPLATE REV -