

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 LINEARLY FROM 100% AT +25° C TO 10% AT +125 C	
	* 5µ S PULSE W, 0.05% DUTY CYCLE	
IMPEDANCE	50 OHMS	

MECHANICAL

OPERATING TEMP RANGE -65 TO +125°C
 1.24 LENGTH / WEIGHT MAX. 0.40oz. (11.3g)
 1.80 LENGTH / WEIGHT MAX. 0.60oz. (15.3g)

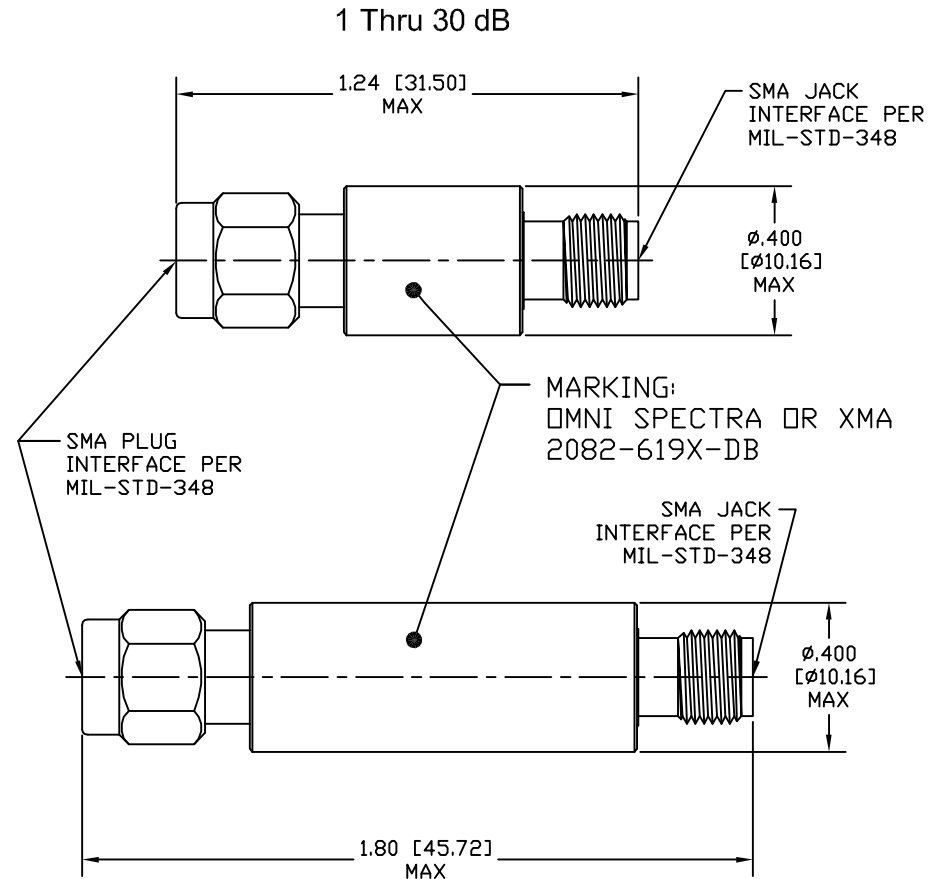
MATERIAL

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

REVISIONS				
REV	DESCRIPTION	ECD #	DATE	APPROVED
E	REVISED TO C SIZE SHT; UPDATED FORMAT		9/09/10	D. SAUNDERS
F	dB SIZES ADDED FOR CLARITY	13-102	4/25/13	T. KUHN



40, 50, & 60 dB

DRAWING PRACTICES PER ANSI-Y14.5 MIL-STD-883 C 1000 DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING SURFACE ROUGHNESS INCHES 63 ✓ FINISH MATERIAL SEE NOTES NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION INTERPRET IAW ANSI Y14.5-1998	UNLESS OTHERWISE SPECIFIED TOLERANCES IN: DECIMALS .003 .010 .015 INCH .03" .010" [.25] .0005 [.127] .0005" [.013] ANGLES ±0°30' REMOVE ALL BURRS/SHARP W/ BREAK /R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R. DO NOT SCALE PRINT	DRAWN DATE T. MAIN 07/28/10 CHECKED DATE NAME XX/XX/XX ENG APPR. DATE D. SAUNDERS 9/09/10 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.
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FIXED COAXIAL ATTENUATOR			
SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	2082-619X-XX	F
SCALE 4:1	UNITED STATES OF AMERICA	SHEET 1 OF 1	TEMPLATE REV -