

SPECIFICATIONS

ELECTRICAL  
 FREQUENCY RANGE \_\_\_\_\_ DC- 18 GHz

ATTENUATION ACCURACY ACROSS FREQ. RANGE  
 0 to 6.0 dB \_\_\_\_\_ ±0.30 dB  
 7 to 12 dB \_\_\_\_\_ ±0.50 dB  
 13-19 dB \_\_\_\_\_ ±0.75 dB  
 20 dB \_\_\_\_\_ ±0.50 dB  
 30 dB \_\_\_\_\_ ±0.75 dB  
 40, 50, 60 dB \_\_\_\_\_ ±1.50 dB

VSWR  
 DC - 4 GHz \_\_\_\_\_ 1.15:1 MAX  
 4 - 12.4 GHz \_\_\_\_\_ 1.25:1 MAX  
 12.4 - 18 GHz \_\_\_\_\_ 1.35:1 MAX

INPUT POWER \_\_\_\_\_ 2 WATTS AVG. @ 25°C  
 DERATES LINEARLY TO 10% @ 125°C FROM 25°C

RF LEAKAGE/RFI \_\_\_\_\_ >65 dBc (>90 dBc TYP.)

PEAK POWER \_\_\_\_\_ 500 WATTS  
 (5mSec 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 SWEPT FREQUENCY RANGE AT 20-25°C

MECHANICAL

CONNECTOR BODIES \_\_\_\_\_ PASSIVATED STAINLESS  
 STEEL  
 CENTER CONDUCTORS \_\_\_\_\_ GOLD PLATED BERYLLIUM  
 COPPER  
 INSULATORS \_\_\_\_\_ PTFE (TEFLON)  
 IAW ASTM-D1710

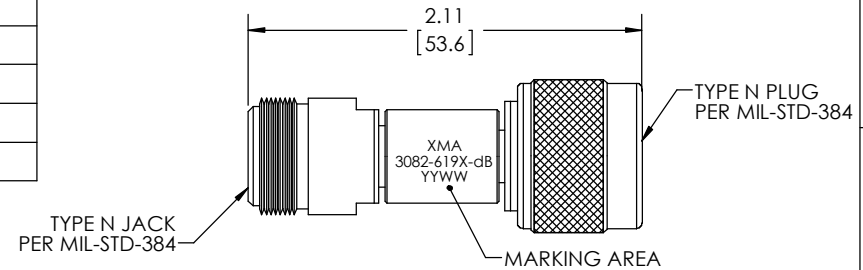
RoHS DEVICE

MARKING

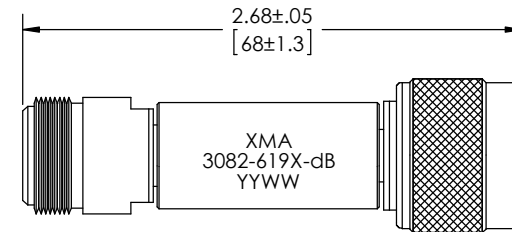
PART LOOKS LIKE PRODUCT IMAGE ABOVE.  
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.  
 MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, READABLE.  
 REPLACE "dB" WITH THE SPECIFIED dB VALUE ON WORK ORDER.  
 YYWW EQUALS DATE CODE.

PART NUMBERS	dB VALUES 1db STEPS
3082-6191-00/-03	0 dB/3 dB
3082-6192-04/-06	4 dB/6 dB
3082-6193-07/-12	7 dB/12 dB
3082-6194-13/-20	13 dB/20 dB
3082-6195-30	30 dB
3082-6196-40	40 dB
3082-6196-50	50 dB
3082-6196-60	60 dB

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	RELEASED	13-199	9/11/13	T.KUHN
A	ADDED MARKING/NEW FORMAT	15-038	2/17/15	T.KUHN



**0-30dB ONLY**




**40, 50, & 60dB ONLY**

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	3082-619X-dB	ATTENUATOR, N-m/f, DC-18GHz, 2W	
1	TA-3082-619X-dBU	ASSY, ATTENUATOR, N-m/f, DC-18GHz, 2W, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING	UNLESS OTHERWISE SPECIFIED TOLERANCES IN:
SURFACE ROUGHNESS μINCHES <b>63</b>	DECIMALS INCH [MM] .X" .05" [1.27] .XX" .03" [.76] .XXX" .010" [.25]
FINISH:	ANGLES ±0°30'
SEE NOTES	REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.
MATERIAL:	DO NOT SCALE PRINT
SEE NOTES	
NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.	
INTERPRET IAW ANSI Y14.5-1982	

DRAWN MCCORMICK	DATE 2/17/15
CHECKED MCCORMICK	DATE 2/17/15
ENG. APPR. T.KUHN	DATE 2/17/15

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TITLE

**ATTENUATOR, N-m/f, DC-18GHz, 2W**

SIZE <b>B</b>	CAGE CODE <b>3HT76</b>	DRAWING NUMBER <b>3082-619X-dB</b>	REV <b>A</b>
SCALE	PLATED AREA SQ. IN	SHEET <b>1</b> OF <b>1</b>	