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SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE_DC- 18GHz

ATTENUATION ACCURACY

0 - 6 dB (and Half dB Steps) _____ ±0.30 dB
7 - 20 dB (and Half dB Steps to 11.5) _____ ±0.50 dB
25 & 30 dB _____ ±0.75 dB

VSWR

DC - 6 GHz _____ 1.15:1 MAX
6 - 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

PEAK POWER

500 WATTS
(5 µSec PULSE WIDTH, .05% DUTY CYCLE)

IMPEDANCE

50 OHMS

OPERATING TEMP RANGE

-54°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 PER
MIL-PRF-39012/MIL-DTL-3933

CENTER CONDUCTORS _____ GOLD PLATED BERYLLIUM COPPER
(C17200 OR C17300 IAW ASTM B196)
per MIL-PRF-39012/MIL-DTL-3933

INSULATORS _____ PTFE (TEFLON) IAW ASTM-D1710

RESISTIVE ELEMENT _____ THIN FILM HYBRID ON 99.6% ALUMINA
SUBSTRATE

NOT A HERMETIC SEALED UNIT
RECOMMENDED CONNECTION TORQUE IS 7-8 in./Lbs. (0.8 to 0.9 Nm)

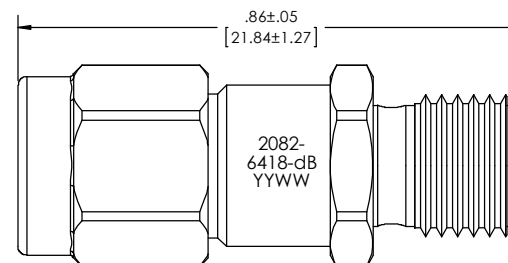
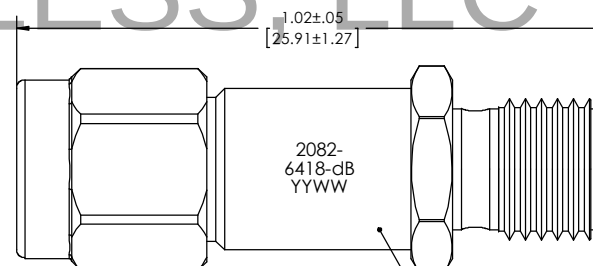
RoHS COMPLIANT DEVICE

MARKING

PART LOOKS LIKE PRODUCT IMAGE ABOVE.
PART MARKING ORIENTATION AND FORMAT AS SHOWN.
REPLACE dB WITH APPROPRIATE TWO DIGIT dB VALUE.
MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, AND READABLE.
YYWW EQUALS DATE CODE.



REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
D	UPDATED ATTENUATION ACCURACY	14-208	5/20/14	T.KUHN
E	UPDATED FORMAT;ADDED MARKING	15-139	5/18/15	T.KUHN
F	ADDED 25dB	16-014	1/21/16	T.KUHN
G	DELETED 0.25 dB ATTEN FROM SPECS	16-093	4/26/16	T.KUHN

**00 THRU 12 dB****13 THRU 30 dB**

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
	2082-6418-dB	ATTENUATOR, SMA-m/f, DC-18GHz, 2W	
1	TA-2082-6400-dBXU	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18GHz, 2W UNMARKED	1

DRAWING PRACTICES PER ANSI Y-14.5 94-STD-100 & 1000	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	
SURFACE ROUGHNESS INCHES	63 ✓
FINISH:	
SEE NOTES	
MATERIAL:	
SEE NOTES	
NOTE:	
THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.	
INTERPRET IAW ANSI Y14.5-1982	

UNLESS OTHERWISE SPECIFIED TOLERANCES IN:		
DECIMALS	INCH	(MM)
.X"	.05"	[1.27]
.XX"	.03"	[.76]
.XXX"	.010"	[.25]
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 V.SHELBY	DATE 11/04/13
CHECKED T.KUHN	DATE 11/04/13
ENG APPR. T.KUHN	DATE 11/04/13
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TITLE ATTENUATOR, SMA-m/f, DC-18GHz, 2W			
SIZE C	CAGE CODE 3HT76	DRAWING NUMBER 2082-6418-dB	REV G
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	