

ELECTRICAL

SPECIFICATIONS

FREQUENCY RANGE _____ DC - 18GHz

ATTENUATION ACCURACY

1 - 6 dB _____ ±0.30 dB

7 - 8 dB _____ ±0.50 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 _____ 250 WATTS

(5uSec PULSE WIDTH, .05% DUTY CYCLE)

IMPEDANCE _____ 50 OHMS

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

MECHANICAL

SMA CONNECTORS _____ PASSIVATED STAINLESS
STEEL

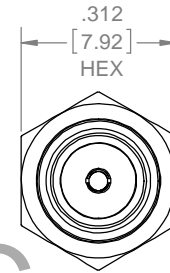
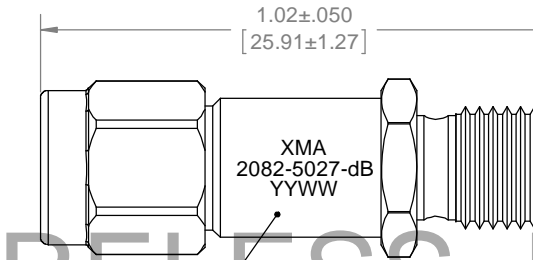
CENTER CONDUCTORS _____ GOLD PLATED BeCu

INSULATORS _____ PTFE (TEFLON)

SMA INTERFACE DIMENSIONS IAW MIL-STD-348

MARKING

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



DRAWING PRACTICES PER ANSI-Y14.5 MIL-STD-100 & 1000	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING	
SURFACE ROUGHNESS μINCHES	63
FINISH:	
MATERIAL:	
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 MCCORMICK	DATE 6/29/15
CHECKED MCCORMICK	DATE 6/29/15
ENG. APPR. T.KUHN	DATE 6/29/15
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TITLE			
ATTENUATOR, SMA-m/f, CUSTOM			
SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2082-5027-dB	REV A
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
A	ADDED MARKING	15-208	6/30/15	T.KUHN

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-5027-dB	ATTENUATOR, SMA-m/f, CUSTOM	
1	TA-2082-5027-dBU	ASSY, ATTENUATOR, SMA-m/f, CUSTOM, UNMARKED	1