

SPEIFICATIONS

ELECTRICAL

FREQUENCY RANGE \_\_\_\_\_ DC- 18.0 GHz

ATTENUATION ACCURACY ACROSS FREQ. RANGE

01-06 dB	±0.30 dB
07-12 & 20 dB	±0.50 dB
13-19 & 30 dB	±0.75 dB
40 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  
(5µSec 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

RESISTIVE ELEMENT \_\_\_\_\_ THIN FILM ON CERAMIC RESISTIVE  
CIRCUIT

NOT A HERMETIC SEALED UNIT

RoHS COMPIANT DEVICE

MATERIALS, ENVIRONMENTAL PERFORMANCE & FINISHES COMPLY  
TO MIL-DTL-3933

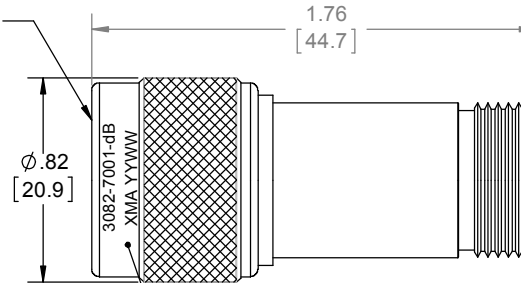
MARKING

PART LOOKS LIKE PRODUCT IMAGE ABOVE.  
PART MARKING ORIENTATION AND FORMAT AS SHOWN.  
MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, READABLE.  
SEE TABLE FOR CONTENT.  
YYWW EQUALS DATE CODE.

REVISIONS

REV	DESCRIPTION	ECO #	DATE	APPROVED
A	CORRECTED VSWR		1/14/11	DS
B	ADDED MARKING	15-186	6/17/15	T.KUHN
C	REVISED MARKING	15-256	8/25/15	T.KUHN
D	ADDED 40 dB ASSEMBLY TO BOM	15-311	10/20/15	T.KUHN

MATES WITH TYPE N  
IAW MIL-STD-348



MATES WITH TYPE N  
IAW MIL-STD-348

MARKING AREA

40 dB	01-30 dB	PART NUMBER	DESCRIPTION	ITEM NO.
X	X	3082-7001-dB	ATTENUATOR, N-m/f, 2W, DC-18GHz, 2W	
-	1	TA-3082-7001-dBU	ASSEMBLY, ATTENUATOR, N-m/f, 2W, DC-18GHz, UNMARKED	1
1	-	TA-3082-7001-40U	ASSEMBLY, ATTENUATOR, N-m/f, 2W, DC-18GHz, 40dB, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5  
MIL-STD-100 & 1000

DIMENSIONS ARE IN INCHES AND  
APPLY BEFORE / AFTER PROCESSING

SURFACE ROUGHNESS  $\sqrt{63}$

FINISH:

SEE NOTE

MATERIAL:

SEE NOTE

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 DATE  
SAUNDERS 1/14/11

CHECKED DATE  
T.KUHN 1/14/11

ENG. APPR. DATE  
T.KUHN 1/14/11

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TITLE

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

SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	3082-7001-dB	D

SCALE	PLATED AREA SQ. IN	SHEET	OF	1
		1	1	