

## ELECTRICAL

## SPECIFICATIONS

FREQUENCY RANGE \_\_\_\_\_ DC TO 6 GHz

ATTENUATION &amp; DEVIATION TOL. \_\_\_\_\_ SEE TABLE

VSWR(MAX) \_\_\_\_\_ DC - 4 GHz \_\_\_\_\_ 1.15:1  
4 - 6 GHz \_\_\_\_\_ 1.25:1

POWER \_\_\_\_\_ 5 WATTS (AVG)

Derates Linearly from +25°C to 10% at +125°C

POWER, PEAK \_\_\_\_\_ 500 WATTS  
\*\* 5 µ SEC PULSE WIDTH, 0.25% DUTY CYCLE

IMPEDANCE: \_\_\_\_\_ 50 OHMS

OPERATING TEMP RANGE \_\_\_\_\_ -65 TO +125°

ENVIRONMENTAL CAPABILITIES  
MIL-DTL-3933A/16 TYPE DEVICES

## MATERIALS

OUTER CONDUCTOR: \_\_\_\_\_ PASSIVATED STAINLESS  
STEEL IAW ASTM A484 & A582, CLASS 303

HEAT SINK: \_\_\_\_\_ BLACK ANODIZED ALUMINUM

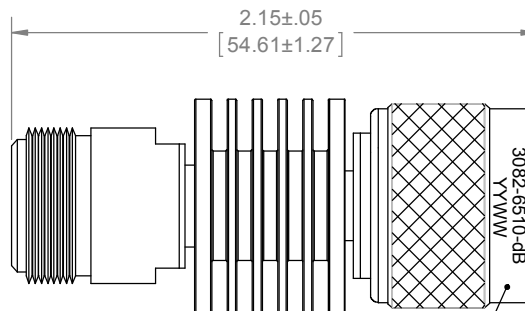
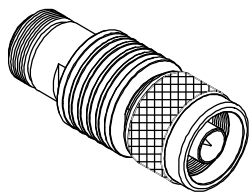
CENTER CONDUCTOR: \_\_\_\_\_ GOLD PLATED (ASTM-B488/MIL-PRF-39012)  
BERYLLIUM COPPER PER ASTM B196 & B197

DIELECTRIC: \_\_\_\_\_ TEFLON (PTFE) PER ASTM D1710.

ATTENUATOR CARD: \_\_\_\_\_ PROPRIETARY THIN FILM, PASSIVATION  
PROTECTED, ON ALUMINA OR AIN.

## MARKING

PART LOOKS LIKE PRODUCT IMAGE ABOVE.  
PART MARKING ORIENTATION AND FORMAT AS SHOWN.  
dB TO BE REPLACED WITH THE TWO DIGIT dB VALUE ON THE  
WORK ORDER. EX: 2 dB = 02dB, 10dB = 10dB, 20dB = 20dB  
LASER MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, AND READABLE.  
YYWW EQUALS DATE CODE.

MARKING AREA  
SEE NOTES

## REVISIONS

REV	DESCRIPTION	ECO #	DATE	APPROVED
B	ADDED MARKING/UPDATED DEFAULT DIMS/REMOVED 60dB	14-304	8/28/14	T.KUHN

DASH NO	NOM dB	MAX DEV.
-01	1	±.3
-02	2	±.3
-03	3	±.3
-04	4	±.3
-05	5	±.3
-06	6	±.3
-07	7	±.5
-08	8	±.5
-09	9	±.5
-10	10	±.5
-11	11	±.5
-12	12	±.5
-15	15	±.5
-20	20	±.5
-30	30	±.75
-40	40	±1.25
-50	50	±2.00

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	3082-6510-dB	ATTENUATOR, N-m/f, DC-6GHz, 5W	
1	TA-3082-6510-dBU	ASSEMBLY, ATTENUATOR, N-m/f, DC-6GHz, 5W, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5  
MIL-STD-100 & 1000DIMENSIONS ARE IN INCHES AND  
APPLY BEFORE / AFTER PROCESSING  
SURFACE ROUGHNESS 63  
FINISH:  
SEE NOTESMATERIAL:  
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 DATE  
McCORMICK 8/28/14  
CHECKED DATE  
McCORMICK 8/28/14  
ENG. APPR. DATE  
T.KUHN 8/28/14THESE DRAWINGS AND  
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WRITTEN PERMISSION OF XMA CORP.Phone: 603-222-2256 Fax: 603-222-2259  
150 Dow Street, Manchester, NH 03101

TITLE

ATTENUATOR, N-m/f, DC-6GHz, 5W

SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	3082-6510-dB	B
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	