

**SPECIFICATIONS**

**ELECTRICAL**

FREQ. RANGE \_\_\_\_\_ DC TO 18 GHz  
 VSWR \_\_\_\_\_ 1.30:1 MAX.  
 AVAILABLE dB VALUES \_\_\_\_\_ SEE CHART A  
 ATTENUATION ACCURACY  
 3dB & 6dB \_\_\_\_\_ ±0.50 dB  
 10dB \_\_\_\_\_ ±0.60 dB  
 20dB \_\_\_\_\_ ±0.75 dB  
 POWER \_\_\_\_\_ 1 WATT AVG. @ 25°C  
 DERATES LINEARLY TO 10% @ 125°C  
 PEAK POWER \_\_\_\_\_ 50 WATTS MAX.  
 (5uSec PW, 0.05% DUTY CYCLE)  
 IMPEDANCE \_\_\_\_\_ 50 OHMS NOM.  
 TEMPERATURE RANGE \_\_\_\_\_ -55°C TO +125°C  
 DESIGNED TO MEET THE INTENT OF MIL-DTL-3933  
 TABLE III SCREENING

**MATERIAL**

BARREL \_\_\_\_\_ STAINLESS STEEL IAW  
 \_\_\_\_\_ ASTM-A484 & ASTM-A582,  
 \_\_\_\_\_ ALLOY 303, COND A  
 SMP HOUSINGS \_\_\_\_\_ BeCu  
 SMP CONTACTS \_\_\_\_\_ BeCu  
 DIELECTRIC \_\_\_\_\_ TEFLON  
 OPERATING TEMP \_\_\_\_\_ -65°C TO +125°C

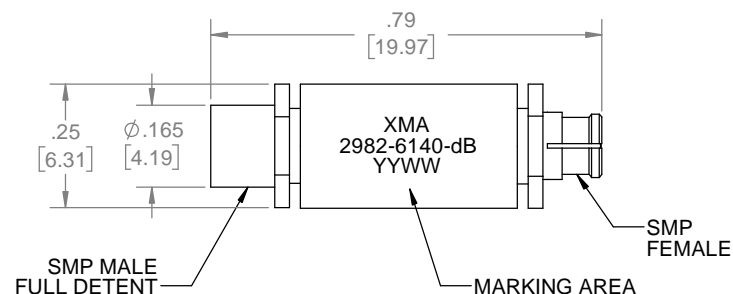
**FINISH**

BARREL \_\_\_\_\_ PASSIVATED  
 SMP HOUSINGS \_\_\_\_\_ GOLD PLATED IAW  
 \_\_\_\_\_ MIL-G-45204, TYPE II,  
 \_\_\_\_\_ CLASS 1  
 SMP CONTACTS \_\_\_\_\_ GOLD PLATED IAW  
 \_\_\_\_\_ MIL-G-45204, TYPE II,  
 \_\_\_\_\_ CLASS 1

**MARKING**

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

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	INITIAL RELEASE	14-274	7/23/14	T.KUHN
A	ADDED DATE CODE	15-172	6/15/15	T.KUHN
B	ADDED 0 dB	20-006	1/15/20	T.KUHN



-dB	AVAILABLE dB VALUES
00	0
03	3
06	6
10	10
20	20

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2982-6140-dB	ATTENUATOR, SMP-m/f, 1W,DC-18GHz	
1	TA-2982-6140-dBU	ASSY, ATTENUATOR, SMP-m/f, 1W,DC-18GHz. UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5  
 MIL-STD-100 & 1000  
 DIMENSIONS ARE IN INCHES AND  
 APPLY BEFORE / AFTER PROCESSING  
 SURFACE ROUGHNESS 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 DATE  
 MCCORMICK 7/23/14  
 CHECKED DATE  
 MCCORMICK 7/23/14  
 ENG. APPR. DATE  
 T.KUHN 7/23/14

Phone: 603-222-2256 Fax: 603-222-2259  
 7 Perimeter Road, Manchester, NH 03103

TITLE  
**ATTENUATOR, SMP-m/f, 1W, DC-18GHz**

SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2982-6140-dB	REV B
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	