

**ELECTRICAL**

FREQUENCY RANGE \_\_\_\_\_ DC - 26.5 GHz

ATTENUATION ACCURACY ACROSS FREQUENCY RANGE

0 - 10 dB \_\_\_\_\_ ±0.50 dB  
 11 - 20dB \_\_\_\_\_ ±1.0 dB  
 21 - 30 dB \_\_\_\_\_ ±1.50 dB

VSWR

DC - 18 GHz \_\_\_\_\_ 1.35:1 MAX  
 18 - 26.5 GHz \_\_\_\_\_ 1.50:1 MAX

INPUT POWER \_\_\_\_\_

2 WATTS AVG. @ 25°C  
 DERATES LINEARLY TO 10% @ 125°C FROM 25°C

PEAK POWER \_\_\_\_\_

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

IMPEDANCE \_\_\_\_\_

50 OHMS

OPERATING TEMP RANGE \_\_\_\_\_

-55°C TO +125°C

CONFORMANCE TESTING IS 100% ATTENUATION AND V.S.W.R. ACROSS SWEEPED FREQUENCY RANGE AT 20-25°C

**MECHANICAL**

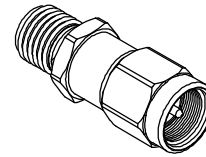
CONNECTOR BODIES \_\_\_\_\_ PASSIVATED STAINLESS STEEL  
 CENTER CONDUCTORS \_\_\_\_\_ GOLD PLATED BERYLLIUM COPPER  
 INSULATORS \_\_\_\_\_ PTFE (TEFLON) IAW ASTM-D1710  
 RESISTIVE ELEMENT \_\_\_\_\_ THIN FILM ON CERAMIC RESISTIVE CIRCUIT  
 NOT A HERMETIC SEALED UNIT  
 RECOMMENDED CONNECTION TORQUE IS 7-8 in./Lbs. (0.8 to 0.9 Nm)

RoHS DEVICE

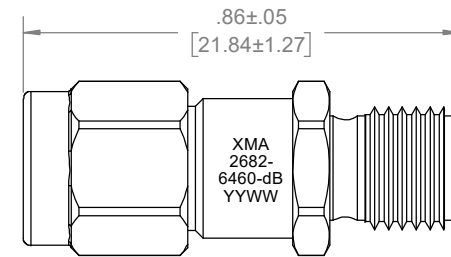
MATERIALS, ENVIRONMENTAL PERFORMANCE & FINISHES DESIGNED TO MEET MIL-DTL-3933

**MARKING**

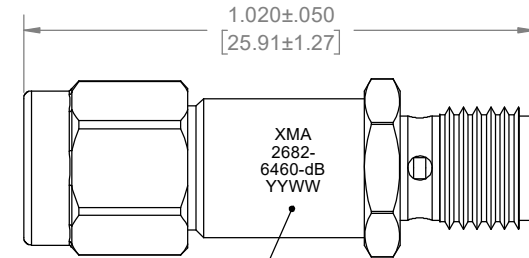
PART LOOKS LIKE PRODUCT IMAGE ABOVE.  
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.  
 MARKING TO BE AS LARGE AS POSSIBLE BE, CLEAR, READABLE.  
 "dB" TO BE REPLACED WITH TWO DIGIT dB VALUE SPECIFIED ON WORK ORDER  
 YYYY = DATE CODE.



REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
A	ADDED MARKING;NEW FORMAT	15-347	12/4/15	T.KUHN
B	0-10 dB ±0.50 dB	20-162	10/8/20	MH
C	.86 WAS .88	20-191	12/2/20	JIM W
D	ADDED 0dB TO TABLE	21-005	1/19/21	JIM W



**0dB - 12dB**



**13dB - 40dB**

MARKING AREA  
SEE NOTE

PART NO	ATTENUATION	PART NO	ATTENUATION
2682-6460-00	0dB	2682-6460-9	9dB
2682-6460-01	1dB	2682-6460-10	10dB
2682-6460-02	2dB	2682-6460-11	11dB
2682-6460-03	3dB	2682-6460-12	12dB
2682-6460-04	4dB	2682-6460-15	15dB
2682-6460-05	5dB	2682-6460-20	20dB
2682-6460-06	6dB	2682-6460-30	30dB
2682-6460-07	7dB		
2682-6460-08	8dB		

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2682-6460-dB	ATTENUATOR, SMA-m/f, DC-26.5GHz, 2 W	
1	TA-2682-6460-dBU	ASSY, ATTENUATOR, SMA-m/f, DC-26.5GHz, 2W, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000  
 DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING  
 SURFACE ROUGHNESS  $\mu$ 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 DATE  
 MCCORMICK 7/6/10  
 CHECKED DATE  
 MCCORMICK 7/6/10  
 ENG. APPR. DATE  
 T.KUHN 7/6/10



Phone: 603-222-2256 Fax: 603-222-2259  
 150 Dow Street, Manchester, NH 03101

ATTENUATOR, SMA-m/f, DC-26.5GHz, 2 WATT

SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	2682-6460-dB	D
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	