

**ELECTRICAL**

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

ATTENUATION ACCURACY ACROSS FREQUENCY RANGE

0 - 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

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

OPERATING TEMP RANGE \_\_\_\_\_ -55°C TO +125°C

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

**MECHANICAL**

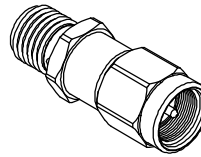
CONNECTOR BODIES \_\_\_\_\_ PASSIVATED STAINLESS STEEL  
CENTER CONDUCTORS \_\_\_\_\_ GOLD PLATED BERYLLIUM COPPER  
INSULATORS \_\_\_\_\_ PTFE (TEFLON) IAW ASTM-D1710  
RESISTIVE ELEMENT \_\_\_\_\_ THIN FILM ON CERAMIC RESISTIVE CIRCUIT  
NOT A HERMETIC SEALED UNIT  
RECOMMENDED CONNECTION TORQUE IS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

RoHS DEVICE

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

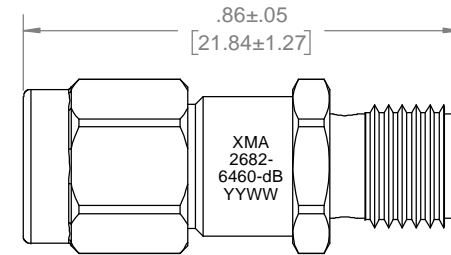
**MARKING**

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  
YYWW = DATE CODE.

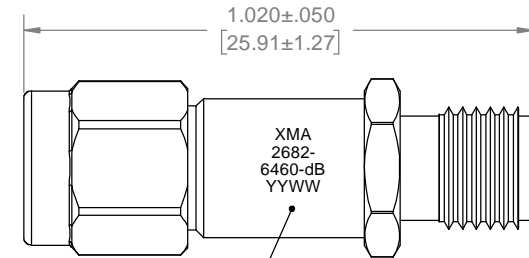


REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
D	ADDED 0dB TO TABLE	21-005	1/19/21	JIM W
E	250W WAS 500W	22-016	1/28/22	MES
F	REMOVED PEAK POWER	23-149	12/4/23	DEL
G	REVISED ATTENUATION	24-065	4/16/24	JIM W

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, 2W	
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

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

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

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