

# 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

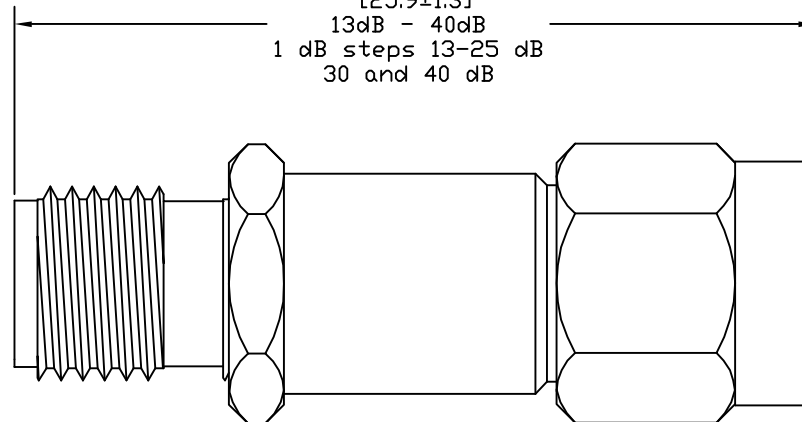
MATERIALS, ENVIRONMENTAL PERFORMANCE & FINISHES COMPLY TO MIL-DTL-3933

PRODUCTION  
RELEASE

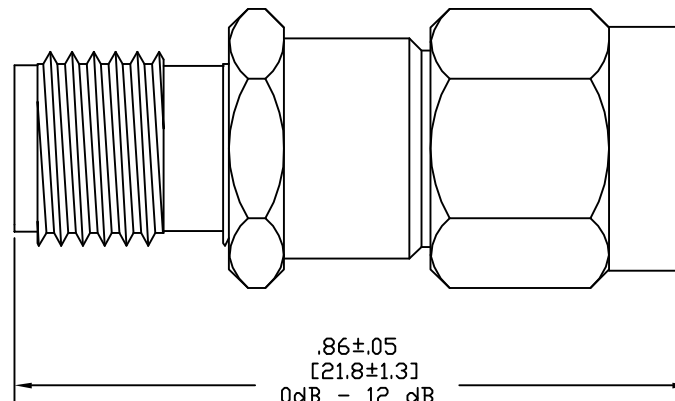
NOTE:  
THIS DRAWING INCORPORATES  
THIRD ANGLE PROJECTION.  
INTERPRET IAW ANSI Y14.5-1995

| REVISIONS |             |                 |
|-----------|-------------|-----------------|
| REV       | DESCRIPTION | APPROVED        |
| -         | Released    | 7/6/10 A. Gagne |

1.02±.05  
[25.9±1.3]  
13dB - 40dB  
1 dB steps 13-25 dB  
30 and 40 dB



.86±.05  
[21.8±1.3]  
0dB - 12 dB  
in 1/2dB steps



The supplier shall only use raw materials that are in accordance with DFAR Clause 252.225-7014, "Preference For Domestic Specialty Metals, Alt. 1" Metals must have been melted in the United States, its outlying areas, or a qualifying country listed in DFARS 225.872-1. These instructions must be flowed down to all sub-tier suppliers as well. Certifications of compliance to this requirement must be made available to XMA Corporation upon request.

|   |   |
|---|---|
| DRAWING PRACTICES PER ANSI-Y-14.5<br>MIL-STD-100 & 1000       | UNLESS OTHERWISE SPECIFIED<br>TOLERANCES IN           |
| DIMENSIONS ARE IN INCHES AND<br>APPLY BEFORE/AFTER PROCESSING | DIMENSIONS  |
| SURFACE<br>ROUGHNESS  | DECIMALS INCH MM                                      |
| FINISH  | .XX" .05" [1.3]                                       |
| SEE NOTES   | .XX" .03" [.76]                                       |
| MATERIAL  | .XXX" .015 [4.0]                                      |
| SEE NOTES   | .XXXX" ANGLES   |
|   | UNLESS OTHERWISE NOTED<br>DIA CONCENTRIC <.003 T.I.R. |

|   |      |
|---|------|
| DRAWN   | DATE |
| CHECKED   | DATE |
| ENG.  | DATE |
| THESE DRAWINGS AND<br>SPECIFICATIONS ARE THE PROPERTY<br>OF XMA CORP. OR OMNISPECTRA<br>AND SHALL NOT BE REPRODUCED,<br>COPIED NOR USED - IN WHOLE OR IN<br>PART - AS A BASIS FOR THE<br>MANUFACTURE OR SALE OF OTHER<br>ITEMS WITHOUT THE EXPRESS<br>WRITTEN PERMISSION OF XMA CORP. |      |

|       |           |                               |
|-------|-----------|-------------------------------|
| SIZE  | CAGE CODE | DWG NO.                       |
| C     | 3HT76     | 2682-6460-DB                  |
| SCALE | 8:1       | PLATING AREA<br>SQUARE INCHES |
|       |           | XXX SHEET 1 OF 1              |

|  |               |
|--|---------------|
| www.XMACorp.com Sales@XMACorp.com  |               |
|  |               |
| Omni Spectra®<br>Phone: 603-222-2256 Fax: 603-222-2259<br>150 Dow Street, Manchester, NH 03101 |               |
| TITLE  |               |
| ATTENUATOR, 2 WATT, 26.5 GHz   |               |
| SIZE   | CAGE CODE     |
| C  | 3HT76         |
| SCALE  | 8:1           |
| PLATING AREA   | SQUARE INCHES |
| XXX  | SHEET 1 OF 1  |