

This unit will 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.

| REVISIONS | | | | |
|-----------|-----------------------------|--------|---------|----------|
| REV | DESCRIPTION | ECO # | DATE | APPROVED |
| - | RELEASED | | 1/1/07 | DS |
| A | ADDED MARKING;UPDATE FORMAT | 15-275 | 9/21/15 | T.KUHN |
| | | | | |
| | | | | |

ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE _____ DC - 18 GHz
 ATTENUATION ACCURACY _____ SEE TABLE
 VSWR
 DC - 4 GHz _____ 1.15:1 MAX
 4 - 12.4 GHz _____ 1.30:1 MAX (1.35:1 FOR 30 & 40 dB)
 12.4 - 18 GHz _____ 1.35:1 MAX (1.40:1 FOR 30 & 40 dB)
 INPUT POWER _____ 2 WATTS
 DERATES LINEARLY FROM 100% @ +25°C TO 10% @ 125°C
 PEAK POWER _____ 0.2kW
 (5µSec PULSE WIDTH, 0.01% DUTY CYCLE)
 IMPEDANCE _____ 50 OHMS
 OPERATING TEMP RANGE _____ -54°C TO +125°C
 WEIGHT _____ 0.3oz (8.5g)

MECHANICAL

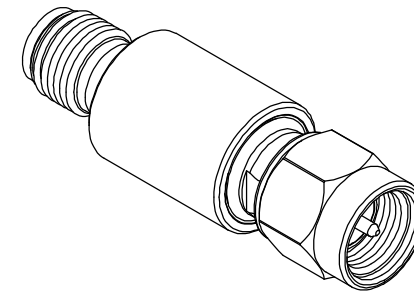
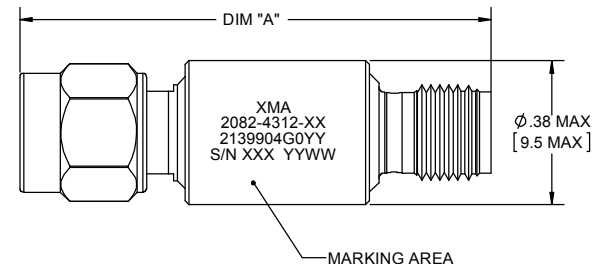
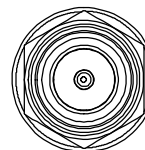
CONNECTOR BODIES _____ CORROSION RESISTANT STAINLESS STEEL PER ASTM A484 & A582, CLASS 303 COND A. PASSIVATED PER ASTM A380
 CENTER CONDUCTORS _____ BeCu PER QQ-C-530, GOLD PLATED PER MIL-G-45204
 INSULATORS _____ PTFE (TEFLON) IAW ASTM-D1710

MECHANICAL & ELECTRICAL REQUIREMENTS PER ITT AVIONICS SCD #2139904GXXX, REV K

QA & TESTING IAW SSS 2082-4312-00

MARKING

PART LOOKS LIKE PRODUCT IMAGE ABOVE.
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.
 REPLACE dB WITH APPROPRIATE TWO DIGIT dB VALUE ON WORK ORDER.
 YY IS TAKEN FROM SSS-2082-4312-00
 MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, READABLE.
 YYYY EQUALS DATE CODE.



| PART # | ITT P/N | NOM | ATTENUATION DEVIATION | | DIM "A" |
|--------------|-------------|------|-----------------------|---------------|-------------------|
| | | | DC-12.4 GHz | 12.4-18.0 GHz | |
| 2082-4312-00 | 2139904G014 | 0.0 | ±0.3 | ±0.4 | 1.22 +.02/- .08 |
| 2082-4312-01 | 2139904G001 | 1.0 | | | |
| 2082-4312-02 | 2139904G002 | 2.0 | | | |
| 2082-4312-03 | 2139904G003 | 3.0 | | | |
| 2082-4312-04 | 2139904G004 | 4.0 | | | |
| 2082-4312-05 | 2139904G005 | 5.0 | | | |
| 2082-4312-06 | 2139904G006 | 6.0 | ±0.4 | ±0.5 | |
| 2082-4312-07 | 2139904G007 | 7.0 | | | |
| 2082-4312-08 | 2139904G008 | 8.0 | | | |
| 2082-4312-09 | 2139904G009 | 9.0 | ±0.3 | ±0.6 | |
| 2082-4312-10 | 2139904G010 | 10.0 | | | |
| 2082-4312-11 | 2139904G016 | 11.0 | | | |
| 2082-4312-12 | 2139904G017 | 12.0 | | | |
| 2082-4312-13 | 2139904G018 | 13.0 | ±0.5 | ±0.6 | |
| 2082-4312-14 | 2139904G019 | 14.0 | | | |
| 2082-4312-15 | 2139904G015 | 15.0 | | | |
| 2082-4312-16 | 2139904G020 | 16.0 | | | |
| 2082-4312-17 | 2139904G021 | 17.0 | | | |
| 2082-4312-18 | 2139904G022 | 18.0 | | | |
| 2082-4312-19 | 2139904G023 | 19.0 | ±0.8 | ±1.0 | |
| 2082-4312-20 | 2139904G011 | 20.0 | | | |
| 2082-4312-30 | 2139904G012 | 30.0 | | | |
| 2082-4312-40 | 2139904G013 | 40.0 | | | 1.47 MAX (37.3mm) |

| QTY. | PART NUMBER | DESCRIPTION | ITEM NO. |
|------|------------------|---|----------|
| | 2082-4312-dB | ATTENUATOR, SCD CONTROLLED SMA-m/f, DC-18 GHz, 2W | |
| 1 | TA-2082-4312-dBU | ASSEMBLY, ATTENUATOR, SCD CONTROLLED SMA-m/f, DC-18 GHz, 2W, UNMARKED | 1 |

| | | | | | |
|--|------------------|---|--------------|---|--|
| DRAWING PRACTICES PER ANSI Y14.5 DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING | | UNLESS OTHERWISE SPECIFIED TOLERANCES IN: DECIMALS INCH (MM) | | DRAWN DATE M.TURNER | |
| SURFACE FINISH: 63 | | X" .05" [1.27] .XX" .03" [.76] .XXX" .010" [.25] | | CHECKED DATE 11/1/07 | |
| FINISH: SEE NOTE | | ANGLES ±0°30' REMOVE ALL BURRS/SHARP W/BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.F. | | ENG APPR. DATE | |
| MATERIAL: SEE NOTE | | DO NOT SCALE PRINT | | | |
| NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION. | | <p>THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. OR OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED IN WHOLE OR IN PART AS A BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP.</p> | | Phone: 603-222-2256 Fax: 603-222-2259 150 Dow Street, Manchester, NH 03103 | |
| TITLE: ATTENUATOR, SCD CONTROLLED SMA-m/f, DC-18 GHz, 2W | | DRAWING NUMBER: 2082-4312-dB | | REV: A | |
| SIZE: C | CAGE CODE: 3HT76 | PLATED AREA SQ. IN. | SHEET 1 OF 1 | | |