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SPECIFICATIONS

ELECTRICAL
FREQUENCY RANGE \_\_\_\_\_ DC TO 18 GHz

ATTENUATION
0-6 dB \_\_\_\_\_ ±0.3 dB
7-10, 20 dB \_\_\_\_\_ ±0.5 dB
11-19, 21-30 dB \_\_\_\_\_ ±0.75 dB
40 dB \_\_\_\_\_ ±1.0 dB
50, 60 dB \_\_\_\_\_ ±2.0 dB
(AVAILABLE IN 1/2 dB VALUES 0.5 - 10.5 dB)

VSWR
DC-4 \_\_\_\_\_ 1.15:1 MAX
4-12.4 \_\_\_\_\_ 1.25:1 MAX
12.4-18 \_\_\_\_\_ 1.35:1 MAX

POWER (AVG) \_\_\_\_\_ 2 WATTS 0.5 dB AND ABOVE
50 WATTS FOR 0 dB UNIT
DERATED LINEARLY FROM 100% @ +25°C TO 10% @ +125°C

POWER (PEAK) \_\_\_\_\_ 500 WATTS
5 μS PULSE W, 0.05% DUTY CYCLE

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

MECHANICAL

OPERATING TEMP RANGE \_\_\_\_\_ -65 TO +125°C
1.24 LENGTH / WEIGHT MAX \_\_\_\_\_ 0.40oz. (11.3g)
1.80 LENGTH / WEIGHT MAX \_\_\_\_\_ 0.60oz. (15.3g)

MATERIAL

OUTER CONDUCTOR \_\_\_\_\_ STAINLESS STEEL NON
MAGNETIC, PASSIVATED FINISH.

CENTER CONDUCTOR \_\_\_\_\_ BERYLLIUM COPPER, GOLD PLATED
FINISH.

DIELECTRIC \_\_\_\_\_ TEFLON.

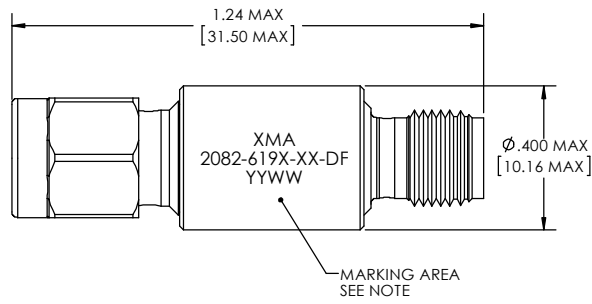
MATERIALS & FINISHES TYPICALLY PER MIL-PRF-39012

MARKING

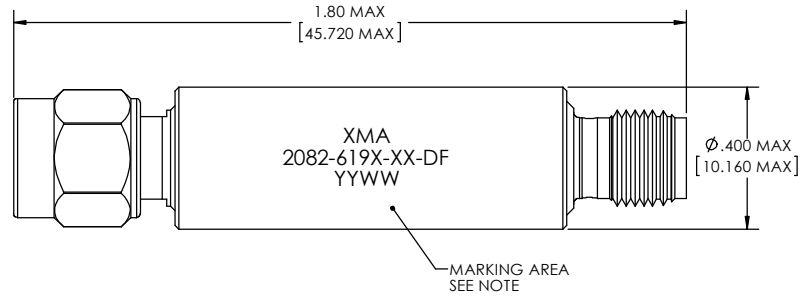
PART LOOKS LIKE PRODUCT IMAGE ABOVE.
PART MARKING ORIENTATION AND FORMAT AS SHOWN.
MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, AND READABLE.
REPLACE "X-XX" WITH PART NUMBER SPECIFIED ON WORK ORDER.
YYWW EQUALS DATE CODE.

Table with 4 columns: PLUG JACK, dB VALUE, PLUG JACK, dB VALUE. Lists various part numbers and their corresponding dB values from 0.0 to 60.0.

REVISIONS table with columns: REV, DESCRIPTION, ECO #, DATE, APPROVED. Shows two revisions: INITIAL RELEASE and ADDED DATECODE:CLARIFIED LENGTHS.



0 THRU 30 dB



40, 50, & 60 dB

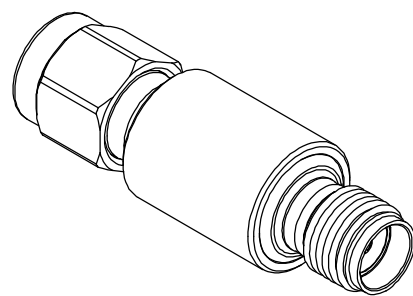


Table with 4 columns: QTY., PART NUMBER, DESCRIPTION, ITEM NO. Shows quantities and part numbers for different assemblies.

Technical drawing notes including: DRAWING PRACTICES PER ANSI Y14.5, DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING, SURFACE ROUGHNESS, FINISH, SEE NOTES, MATERIAL, UNLESS OTHERWISE SPECIFIED TOLERANCES IN: DECIMALS, ANGLES ±0°30', REMOVE ALL BURRS/SHARP W/BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.F., NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION, INTERPRET LAW ANSI Y14.5-1982, DO NOT SCALE PRINT.

Manufacturer information: XMA Omni Spectra, Phone: 603-222-2256, Fax: 603-222-2259, 150 Dow Street, Manchester, NH 03109. Includes XMA logo and drawing title: ATTENUATOR, SMA-m/f, DC-18GHz, 2W. Also includes a table with columns: SIZE, CAGE CODE, DRAWING NUMBER, REV.

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.

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