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ELECTRICAL

SPECIFICATIONS

FREQUENCY RANGE _____ DC- 18GHz

ATTENUATION ACCURACY ACROSS FREQ. RANGE
0-06 dB ±0.30 dB
07-10 dB ±0.50 dB
11-20 dB ±0.75 dB
21-30 dB ±1.00 dB

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

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

RF LEAKAGE/RFI _____ >65 dBc (>90 dBc TYP.)

PEAK POWER _____ 500 WATTS
(5 µ Sec PULSE WIDTH, .25% DUTY CYCLE)

IMPEDANCE _____ 50 OHMS

OPERATING TEMP RANGE _____ 4 KELVIN TO +125°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

ROHS COMPLIANT DEVICE

MATERIALS, ENVIRONMENTAL PERFORMANCE & FINISHES COMPLY TO 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.

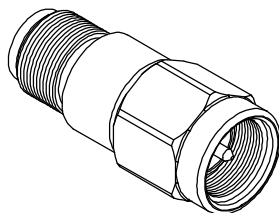
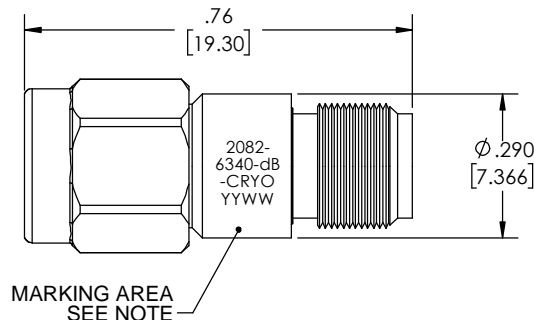


Table with 5 columns: REV, DESCRIPTION, ECO #, DATE, APPROVED. Row 1: - INITIAL RELEASE, 14-204, 8/19/14, T.KUHN. Row 2: A REVISED ATTENUATION ACCURACY, 22-007, 2/1/22, RF.

0dB - 12dB



13dB - 30dB

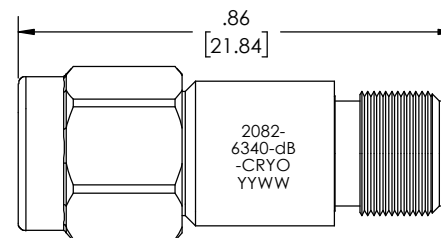


Table with 4 columns: QTY., PART NUMBER, DESCRIPTION, ITEM NO. Row 1: X, 2082-6340-dB-CRYO, ATTENUATOR, SMA-m/f, DC-18 GHz, 2 WATTS AVG, 500 WATTS PEAK. Row 2: 1, TA-2082-6340-dBU-CRYO, ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18 GHz, 2 WATTS AVG, 500 WATTS PEAK, UNMARKED.

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000
DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING
SURFACE ROUGHNESS 63
FINISH:
SEE NOTE
MATERIAL:
SEE NOTE
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 8/18/14
CHECKED DATE MCCORMICK 8/18/14
ENG. APPR. DATE T.KUHN 8/18/14

XMA Omni Spectra logo, contact info (Phone: 603-222-2256, Fax: 603-222-2259, 7 Perimeter Road, Manchester, NH 03103), TITLE ATTENUATOR, SMA-m/f, DC-18 GHz, 2 WATTS AVG, 500 WATTS PEAK, SIZE B, CAGE CODE 3HT76, DRAWING NUMBER 2082-6340-dB-CRYO, REV A, SHEET 1 OF 1.

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