

ELECTRICAL

SPECIFICATIONS

FREQUENCY RANGE _____ DC - 40GHz

ATTENUATION _____ DC-26.5GHz _____ 26.5-40GHz
 0 TO 9 dB _____ ±0.5 dB _____ ±0.8 dB
 10 TO 15, 20 dB _____ ±0.6 dB _____ ±1.0 dB
 30 dB _____ ±0.8 dB _____ ±1.0 dB

VSWR
 DC - 18.0 GHz _____ <1.30:1
 18.0 - 40 GHz _____ <1.40:1

POWER _____ @ 25°C SEE TABLE
 DERATES LINEARLY TO 10% @ 125°C

IMPEDANCE _____ 50 OHMS

OPERATING TEMP RANGE _____ 4 KELVIN TO +125°C

MECHANICAL

HOUSING _____ PASSIVATED STAINLESS
 STEEL IAW ASTM-A484
 & ASTM-A582 ALLOY 303 COND A

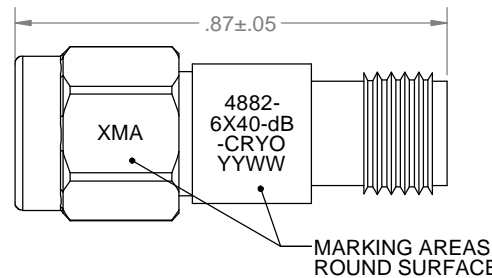
CENTER CONDUCTORS _____ GOLD PLATED BERYLLIUM COPPER

MARKING

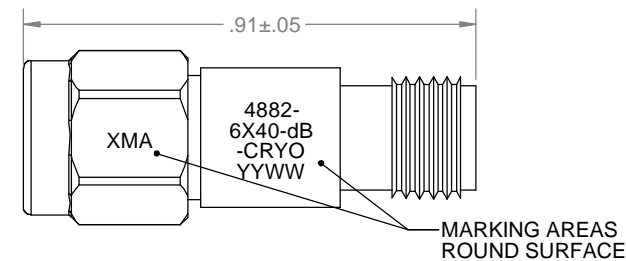
PART LOOKS LIKE PRODUCT IMAGE ABOVE.
 PART MARKING ORIENTATION AND FORMAT AS SHOWN (CURVED SURFACE).
 dB = SEE TABLE FOR TWO DIGIT dB VALUE.
 REPLACE "X" WITH ONE DIGIT REPRESENTING POWER LEVEL FROM TABLE.
 MARKING TO BE AS LARGE AS POSSIBLE.
 YYWW EQUALS DATE CODE.

4882-6X40-dB-CRYO	POWER LEVEL
X=0	0.5 WATT
X=1	1 WATT
X=2	2 WATTS

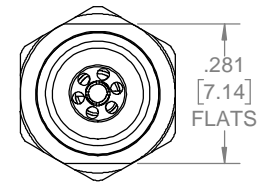
REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
F	REVISED MARKING LOCATIONS	16-166	8/4/16	T.KUHN
G	ADDED 7 THRU 9 dB	18-117	8/1/18	T.KUHN
H	ADDED 30 dB VIEW	20-005	1/14/20	T.KUHN
J	REMOVED ROHS COMPLIANT	20-173	10/13/20	MH



0 - 20 dB ONLY



30 dB ONLY



DASH #	dB VALUE	MARKED dB VALUE
4882-6X40-00-CRYO	0	00
4882-6X40-01-CRYO	1	01
4882-6X40-02-CRYO	2	02
4882-6X40-03-CRYO	3	03
4882-6X40-04-CRYO	4	04
4882-6X40-05-CRYO	5	05
4882-6X40-06-CRYO	6	06
4882-6X40-07-CRYO	7	07
4882-6X40-08-CRYO	8	08
4882-6X40-09-CRYO	9	09
4882-6X40-10-CRYO	10	10
4882-6X40-12-CRYO	12	12
4882-6X40-15-CRYO	15	15
4882-6X40-20-CRYO	20	20
4882-6X40-30-CRYO	30	30

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	4882-6X40-dB-CRYO	ATTENUATOR, 2.9mm-m/f, DC-40 GHz, CRYO	
1	TA-4882-6X40-dBU-CRYO	ASSY, ATTENUATOR, 2.9mm-m/f, DC-40 GHz, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000
 DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING
 SURFACE ROUGHNESS μ 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
 T.KUHN 1/11/13
 CHECKED DATE
 MCCORMICK 1/11/13
 ENG. APPR. DATE
 T.KUHN 1/11/13

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Phone: 603-222-2256 Fax: 603-222-2259
 150 Dow Street, Manchester, NH 03101

ATTENUATOR, 2.9mm-m/f, DC-40GHz

SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	4882-6X40-dB-CRYO	J
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	