

ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE _____ DC - 40 GHz

ATTENUATION ACCURACY _____ DC - 26.5 GHz 26.5 - 40 GHz
 0 dB _____ ±0.50 dB ±0.8 dB

VSWR
 DC - 18 GHz _____ 1.30:1 MAX
 18 - 40 GHz _____ 1.40:1 MAX

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

IMPEDANCE _____ 50 OHMS

OPERATING TEMP RANGE _____ 4 KELVIN TO +125°C

MECHANICAL

CONNECTOR BODIES _____ PASSIVATED STAINLESS STEEL IAW
 ASTM-A484 & ASTM-A582, ALLOY 303,
 COND A.

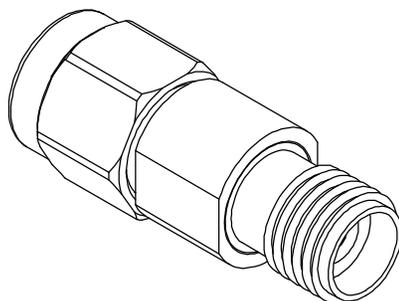
CENTER CONDUCTORS _____ BeCu, GOLD PLATED PER MIL-PRF-39012

INSULATORS _____ HIGH TEMPERATURE PLASTIC BEAD

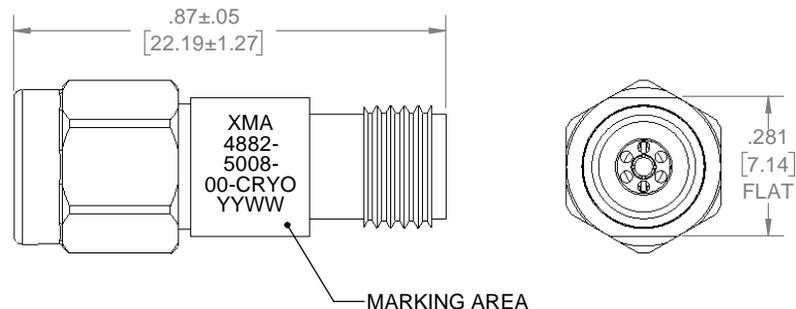
SUBSTRATE _____ ALUMINUM NITRIDE (THERMALLY ANCHORED)

MARKING

PART LOOKS LIKE PRODUCT IMAGE ABOVE.
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.
 REPLACE dB WITH APPROPRIATE TWO DIGIT dB VALUE.
 MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, READABLE.
 YYWW EQUALS DATE CODE.



REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	INITIAL RELEASE	14-233	6/12/14	T.KUHN
A	ADDED MARKING;UPDATED FORMAT	15-352	12/15/15	T.KUHN
B	CHANGED TA IN BOM	20-008	1/22/20	T.KUHN
C	CHANGED MARKING	20-186	11/12/20	JIM W



QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	4882-5008-dB-CRYO	ATTENUATOR, 2.92mm, DC-40 GHz, 2W	
1	TA-4882-6X40-dBU-CRYO	ASSEMBLY, ATTENUATOR, 2.92mm, DC-40 GHz, 2W, 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
 V.SHELBY 01/11/13

CHECKED DATE
 T.KUHN 01/11/13

ENG. APPR. DATE
 T.KUHN 01/11/13

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TITLE
ATTENUATOR, 2.92mm, DC-40 GHz, 2W

SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	4882-5008-00-CRYO	C

PLATED AREA SQ. IN SHEET 1 OF 1