

ELECTRICAL

FREQUENCY RANGE _____ DC - 18 GHz

AMPLITUDE ACCURACY

0 dB	0 TO 0.50 dB
3 - 6dB	±0.5 dB
10 dB	±0.6 dB
20 dB	±0.75 dB
30 dB	±1.25 dB

VSWR

DC - 4 GHz	1.15:1 MAX
4 - 12.4 GHz	1.25:1 MAX
12.4 - 18.0GHz	1.35:1 MAX

INPUT POWER _____ 2 WATTS AVG. @ 25°C
DERATES LINEARLY TO 5W @ 125°C

PEAK POWER _____ 500 WATTS
(5µSec PULSE WIDTH, .10% DUTY CYCLE)

IMPEDANCE _____ 50 OHMS

OPERATING TEMP RANGE _____ 4 KELVIN TO +125°C

MECHANICAL

OUTER CONDUCTORS _____ COPPER, OFE PER C10100, PLATED GOLD OVER WHITE BRONZE (NO NICKEL)
CENTER CONDUCTORS _____ GOLD PLATED BERYLLIUM COPPER
INSULATORS _____ PTFE (TEFLON) IAW ASTM-D1710

RoHS DEVICE

CONNECTORS COMPLY WITH MIL-STD-348 FOR MATING OF SMA CONNECTORS

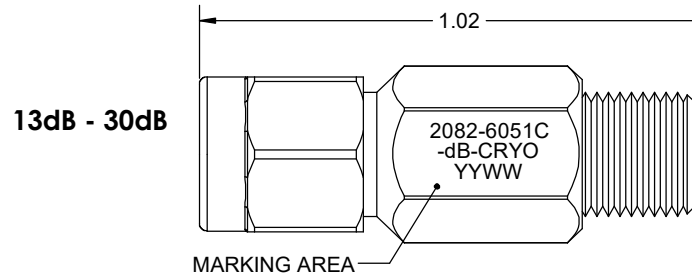
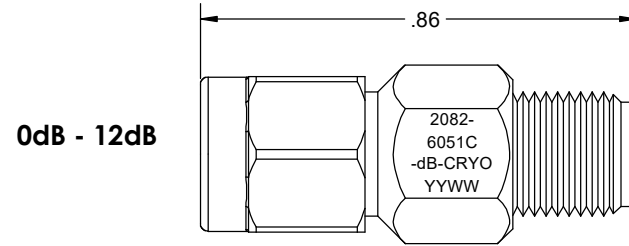
RECOMMENDED TORQUE _____ 7 IN. LBS MAX GOAL

MATING CYCLES _____ 100 GOAL

MARKING

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

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
X1	PRELIMINARY RELEASE		4/17/18	T.KUHN



QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-6051C-dB-CRYO	ATTENUATOR, SMA-m/f, COPPER, DC-18GHz, 2W, CRYO	
1	TA-2782-6051C-dBU-CRYO	ASSY, ATTENUATOR, SMA-m/f, COPPER, DC-26.5 GHz, 2W, CRYO, UNMARKED	1

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	4/17/18
CHECKED	DATE
MCCORMICK	4/17/18
ENG. APPR.	DATE
T.KUHN	4/17/18
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TITLE
ASSY, ATTENUATOR, SMA-m/f, COPPER, DC-18 GHz, 2W, CRYO

SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	2082-6051C-dB-CRYO	X1
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	