

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 \_\_\_\_\_ 1 WATTS AVG. @ 25°C  
DERATES LINEARLY TO 5W @ 125°C  
PEAK POWER \_\_\_\_\_ 100 WATTS  
(5µSec PULSE WIDTH, .10% DUTY CYCLE)  
IMPEDANCE \_\_\_\_\_ 50 OHMS  
OPERATING TEMP RANGE \_\_\_\_\_ 4 KELVIN TO +100°C

MECHANICAL

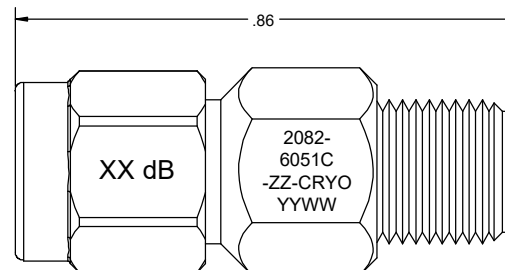
OUTER CONDUCTORS \_\_\_\_\_ COPPER, OFE PER C10100, PLATED GOLD OVER  
WHITE BRONZE (NO NICKEL)  
CENTER CONDUCTORS \_\_\_\_\_ GOLD PLATED BERYLLIUM COPPER  
INSULATORS \_\_\_\_\_ PTFE (TEFLON) IAW ASTM-D1710  
DESIGNED TO MATE WITH MIL-STD-348 CONNECTORS  
RECOMMENDED TORQUE \_\_\_\_\_ 5 IN. LBS MAX GOAL  
MATING CYCLES \_\_\_\_\_ 100

MARKING

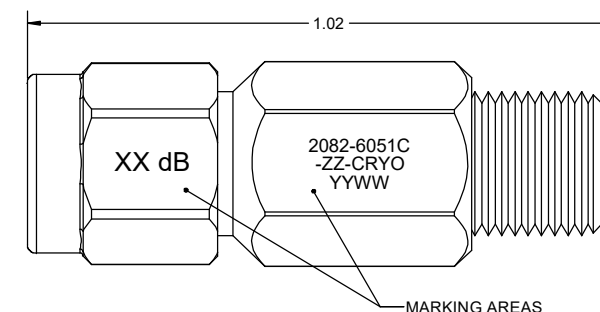
PART LOOKS LIKE PRODUCT IMAGE ABOVE.  
PART MARKING ORIENTATION AND FORMAT AS SHOWN.  
CHANGE X TO THE ONE DIGIT VALUE ON WORK ORDER.  
REPLACE "ZZ" AND "XX" WITH APPROPRIATE TWO DIGIT dB VALUE.  
MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, READABLE.  
YYWW EQUALS DATE CODE.

NOTE:  
PACKAGE INDIVIDUALLY TO PREVENT DAMAGE. IF REQUIRED, PACKAGE  
PER CUSTOMER REQUIREMENTS.

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
X1	PRELIMINARY RELEASE		4/17/18	T.KUHN
X2	100°C STORAGE WAS 150°C	21-NP037	8/22/22	DEL
X3	SPEC CHANGES; PKG, TORQUE, ETC..	22-NP041	6/28/23	DEL



0, 3, 6, 10, 12dB



20, 30dB

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 Y14.5 DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING		UNLESS OTHERWISE SPECIFIED TOLERANCES IN: DECIMALS INCH (MM)		DRAWN MCCORMICK 4/17/18		DATE 4/17/18	
SURFACE ROUGHNESS INCHES		X" .05" [1.27] .XX" .03" [.76] .XXX" .010" [.25]		CHECKED MCCORMICK 4/17/18		DATE 4/17/18	
FINISH: SEE NOTE		ANGLES ±0°30' REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.F.		ENG APPR. T.KUHN 4/17/18		DATE 4/17/18	
MATERIAL: SEE NOTE		DO NOT SCALE PRINT		THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. OR OMNI SPECTRA AND SHALL NOT BE REPRODUCED OR COPIED NOR USED IN WHOLE OR IN PART AS A BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP.		TITLE ASSY, ATTENUATOR, SMA-m/f, COPPER, DC-18 GHz, 2W, CRYO	
THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.		INTERPRET IAW ANSI Y14.5-1982		SIZE C 3HT76		CAGE CODE 2082-6051C-dB-CRYO	
				SCALE AREA 50 IN		REV X3	