

**ELECTRICAL**

ATTENUATION @30dB  
DC - 4 GHz \_\_\_\_\_ ±1.00

VSWR \_\_\_\_\_ 1.35:1 MAX

INPUT POWER (AVG.) IMPORTANT - UNIDIRECTIONAL DESIGN \_\_\_\_\_ 100 WATTS  
NOTE: ONLY APPLY THIS POWER TO DESIGNATED INPUT PORT.

INPUT MAX. PEAK POWER \_\_\_\_\_ 1,000 WATTS  
<5 µSEC. PW, <0.1% DUTY CYCLE - SMA connector theoretical max. Power is 300 W at 8 GHz use caution with Peak Power as 1 kW is tested using Type N connectors at Factory..

POWER DERATES TO 10% @ +125°C AMBIENT FROM 25°C

HEAT SINK THERMAL RISE (CALCULATED) 0.88°C/Watt

WEIGHT (MAX.) \_\_\_\_\_ 38 OZ. (1.1 KG)

TEMPERATURE RANGE \_\_\_\_\_ -55°C TO +125°C

POWER HANDLING BEST WHEN UNIT IS MOUNTED WITH HEAT SINK FINS VERTICAL  
THOUGH UNIT HANDLES FULL POWER IN ANY ORIENTATION WITH FREE AIR CONVECTION

ONLY INPUT PORT CAN TAKE FULL 100 WATTS, **OUTPUT PORT 20 WATTS MAX.**

**MECHANICAL**

CONNECTORS (COMPLY WITH MIL-PRF-39012 & MIL-STD-348):

HOUSING AND COUPLING NUTS \_\_\_\_\_ STAINLESS STEEL, PASSIVATED.

CENTER CONTACTS \_\_\_\_\_ BeCu, GOLD PLATING  
IAW MIL-PRF-39012

CASE IS EITHER COPPER ALLOY WITH SILVER OR WHITE BRONZE PLATING  
OR ALUMINUM WITH CHROMATE FINISH

HEAT SINKS ARE ALUMINUM ALLOY, BLACK ANODIZE FINISH

INTERNAL RESISTIVE ELEMENTS \_\_\_\_\_ BERYLLIUM OXIDE OR ALUMINUM NITRIDE  
CERAMIC WITH THICK FILM AND/OR THIN FILM RESISTORS

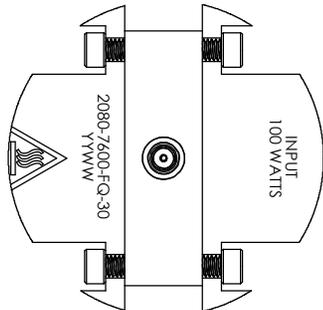
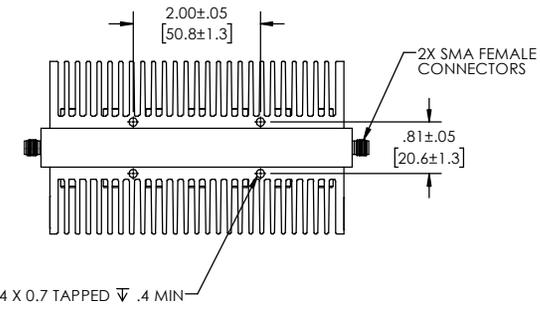
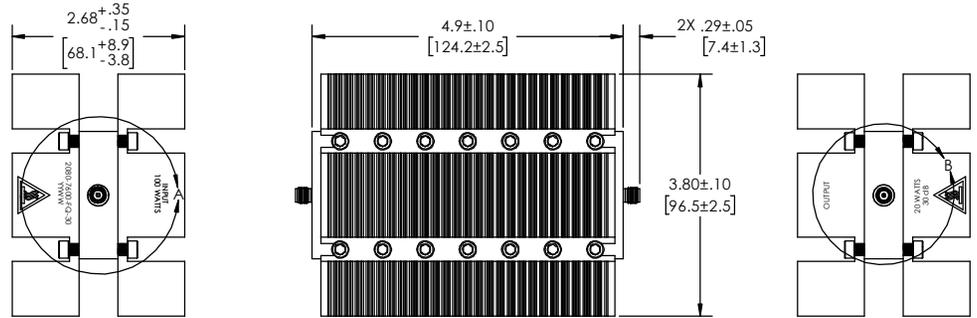
ROHS COMPLIANT DESIGN

UNIT SUPPLIED WITH MOUNTING HOLES FOR BRACKET OR MOUNTING STANDOFFS

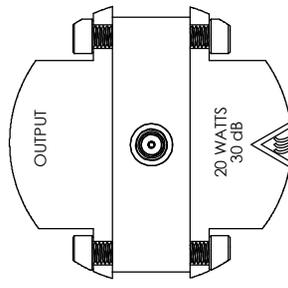
**MARKING**

PART LOOKS LIKE PRODUCT IMAGE ABOVE.  
PART MARKING ORIENTATION AND FORMAT AS SHOWN.  
MARKING TO BE AS LARGE AS POSSIBLE, CLEAR AND READABLE.  
REPLACE "FQ" WITH APPROPRIATE TWO DIGIT FREQUENCY VALUE SPECIFIED ON WORK ORDER.  
YYWW EQUALS DATE CODE.

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	INITIAL RELEASE	18-172	11/19/18	T.KUHN



DETAIL A  
SCALE 2 : 1.5



DETAIL B  
SCALE 2 : 1.5

FQ EQUALS	FREQUENCY
04	4 GHz
06	6 GHz

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
	2080-7600-04-30	ATTENUATOR, SMA-f/f, DC-6 GHz, 100W, 30dB	
1	TA-2080-7600-FQ-30U	ASSY, ATTENUATOR, SMA-f/f, DC-6 GHz, 100W, 30dB, UNMARKED	1

DRAWING PRACTICES PER ANSI Y14.5 B1-2013-10 & 1002	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	
SURFACE ROUGHNESS	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"	.03"	[.76]	
.XX"	.010"	[.25]	
.XXX"	.005	[.127]	
.XXXX"	.0005"	[.013]	
ANGLES ±0°30'			
REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005"			
UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.F.			
DO NOT SCALE PRINT			

DRAWN	MCCORMICK	DATE	12/01/14
CHECKED	MCCORMICK	DATE	12/01/14
ENG APPR.	T.KUHN	DATE	12/01/14

**XMA** Omni Spectra<sup>®</sup>

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ATTENUATOR, SMA-f/f, DC-6 GHz, 100W, 30dB

SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	2080-7600-FQ-30	-

SCALE: PLATED AREA 50 IN SHEET 1 OF 1