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SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE \_\_\_\_\_ DC - 6GHz, 12.4GHz & 18GHz

AVAILABLE dB VALUES \_\_\_\_\_ 3, 6, 10 - 40 dB (IN 10 dB INCREMENTS)

ATTENUATION ACCURACY \_\_\_\_\_ DC-6GHz 6-12.4GHz 12.4-18GHz

3 & 6 dB	±0.75 dB	±0.75 dB	±0.75 dB
10 & 20 dB	±0.75 dB	±0.75 dB	±1.00 dB
30 dB	±0.75 dB	±1.00 dB	±1.25 dB
40 dB	±1.00 dB	±1.25 dB	±1.50 dB

VSWR

DC - 6 GHz	1.25:1 MAX
6 - 12.4 GHz	1.35:1 MAX
12.4 - 18 GHz	1.45:1 MAX

INPUT POWER \_\_\_\_\_ 50 WATTS AVG. @ 25°C  
DERATED LINEARLY TO 10 WATTS @ 125°C

PEAK POWER \_\_\_\_\_ 500 WATTS  
(5uSec PULSE, .05% DUTY CYCLE)

IMPEDANCE \_\_\_\_\_ 50 OHMS

OPERATING TEMP RANGE \_\_\_\_\_ -65°C TO +125°C

MECHANICAL

CONNECTORS \_\_\_\_\_ PASSIVATED STAINLESS STEEL

CONDUCTORS \_\_\_\_\_ GOLD PLATED BERYLLIUM COPPER

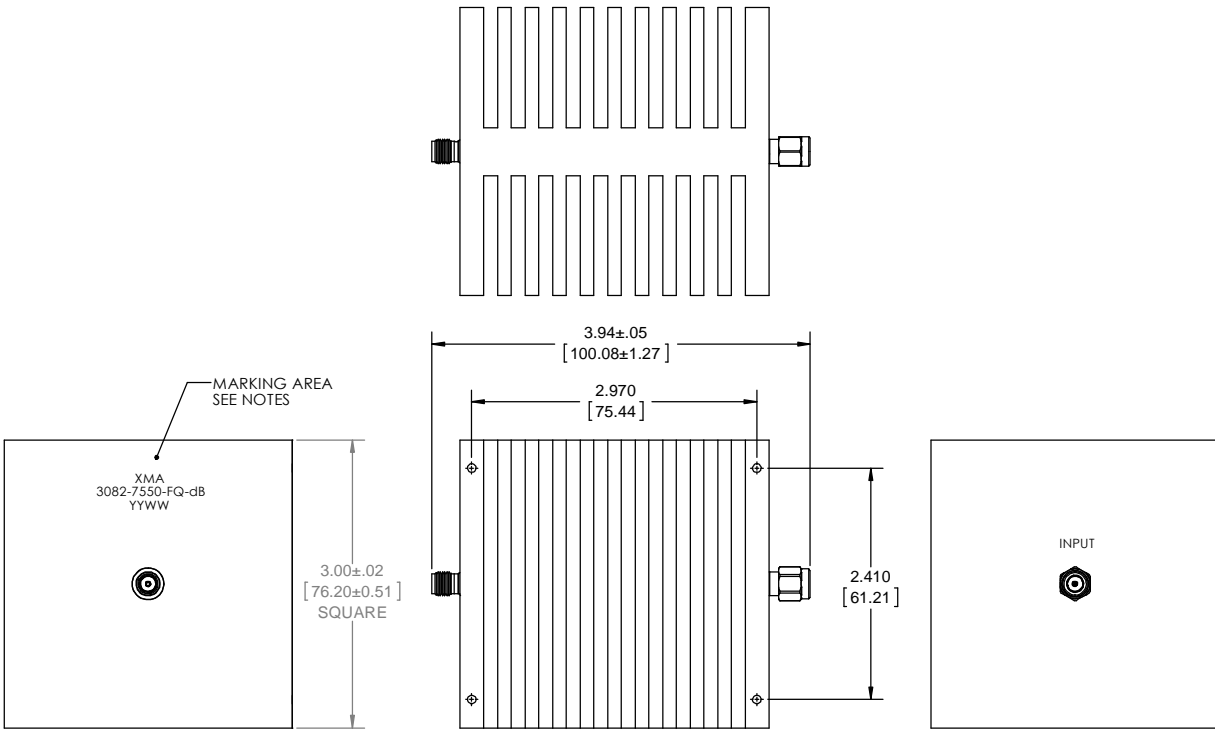
HOUSING \_\_\_\_\_ BLACK ANODIZED ALUMINUM

NOTES: UNIT IS UNIDIRECTIONAL, THE INPUT CONNECTOR WILL BE MARKED ACCORDINGLY. THE OUTPUT PORT HANDLES 5 WATTS MAX POWER.

MARKING

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

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
B	ADDED ORDERING INFO		8/5/09	T.KUHN
C	REMOVED 50-100 dB, NEW FORMAT	15-034	2/13/15	T.KUHN



QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-7550-FQ-dB	ATTENUATOR, SMA-m/f, DC-18GHz, 50W	
1	TA-2082-7550-FQ-dBU	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18GHz, 50W, UNMARKED	1

DRAWING PRACTICES PER ANSI Y14.5  
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/ AFTER PROCESSING

SURFACE ROUGHNESS  $\sqrt{63}$

FINISH: SEE NOTES

MATERIAL: SEE NOTES

NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.

INTERPRET LAW 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.F.

DO NOT SCALE PRINT

DRAWN M.TURNER 7/29/09

CHECKED \_\_\_\_\_ DATE \_\_\_\_\_

ENG APPR. T.KUHN 11/07/08

**XMA** Omni Spectra™

Phone: 603-222-2256 Fax: 603-222-2259  
150 Dow Street, Manchester, NH 03103

ATTENUATOR, SMA-m/f, DC-18GHz 50W

SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	2082-7550-FQ-dB	C

SCALE \_\_\_\_\_ PLATED AREA SQ. IN \_\_\_\_\_ SHEET 1 OF 1

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