

SPECIFICATIONS

INPUT POWER (AVG.) IMPORTANT - UNIDIRECTIONAL DESIGN _____ 150 WATTS
 NOTE: ONLY APPLY THIS POWER TO DESIGNATED INPUT PORT
 OUTPUT PORT ONLY CAPABLE OF 20 WATTS, HIGHER POWER MAY RESULT IN DAMAGE TO UNIT.

Power handling best with unit mounted with heat sink fins oriented vertically, as shown at bottom right, to allow for free air convection, unrestricted by adjacent obstacles.

INPUT MAX. PEAK POWER _____ 2,500 W
 <5 μSEC. PW, <1.0% DUTY CYCLE

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

HEAT SINK THERMAL RISE (CALCULATED) _____ 0.58°C/Watt
 WEIGHT (MAX.) (LESS, DEPENDING ON CONNECTORS TYPES) _____ 3.4 LBS. (1.6 KG)
 TEMPERATURE RANGE _____ -55°C TO +125°C

MATERIALS:

CONNECTORS (COMPLY WITH MIL-PRF-39012 & MIL-STD-348):
 HOUSING AND COUPLING NUTS ARE STAINLESS STEEL WITH SILVER PLATING.
 CENTER CONTACTS ARE BERYLLIUM COPPER WITH SILVER PLATING
 CASE IS COPPER ALLOY WITH EITHER SILVER OR WHITE BRONZE PLATING
 HEAT SINKS ARE ALUMINUM ALLOY, BLACK ANODIZE FINISH
 INTERNAL RESISTIVE ELEMENTS ARE EITHER 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

ATTENUATION VALUES AVAILABLE:
 3, 6, 10, 20, 30 & 40 DB.

Temperature Coefficient of Attenuation (dB/dB/°C) is typically less than _____ .0004
 Power Coefficient of Attenuation (dB/dB/Watt) is typically less than _____ .005

RF ELECTRICAL SPECIFICATIONS:

ATTENUATION	DC - 2 GHz	2 - 4 GHz	4 - 6 GHz	6 - 8 GHz
03 DB AND 06 DB	±0.50	±0.75	±0.75	±1.25
10 DB	±0.75	±0.75	±1.25	±1.50
20 DB	±0.75	±0.75	±1.25	±2.00
30 DB	±0.75	±1.00	±1.50	±2.00
40 DB	±1.00	±1.25	±1.50	±2.25
50 DB and 60 DB	±1.50	±2.00	±2.50	±3.00

VSWR (MAX.)	DC - 2 GHz	2 - 4 GHz	4 - 6 GHz	6 - 8 GHz
	1.20:1	1.30:1	1.40:1	1.50:1

PRODUCTION RELEASE

NOTE:
 THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.
 INTERPRET IN ACCORDANCE WITH ANSI Y14.5-1995

REVISIONS

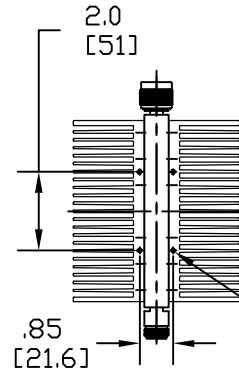
REV	DESCRIPTION	APPROVED
D	UPDATED TO REFLECT UPDATED PARTS	05/05/2011 T.A.K

ORDERING INFORMATION

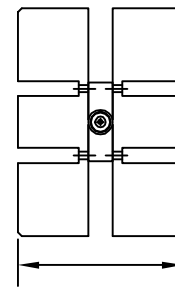
3082-7650-FQ-DB TYPE N MALE INPUT TO FEMALE (Output - <20 W)
 3081-7650-FQ-DB TYPE N MALE INPUT TO N MALE (Output - <20 W)
 3080-7650-FQ-DB TYPE N FEMALE INPUT TO FEMALE (Output - <20 W)
 3082-7650-FQ-FM-DB TYPE N FEMALE INPUT TO MALE (Output - <20 W)
 ALSO AVAIL. TNC, DIN 7/16 AND WITH BETWEEN SERIES ADAPTATIONS
 TO DESIGNATE MAX. FREQUENCY UNIT DESIRED REPLACE "FQ" WITH:
 "02" = 2.5 GHz; "04" = 4 GHz; "06" = 6 GHz; "08" = 8 GHz

IMPORTANT NOTES:

THIS PRODUCT IS DESIGNED FOR UNIDIRECTIONAL POWER INPUT TO DESIGNATED INPUT PORT ONLY.
 YOU MUST CONNECT PROPERLY. APPLY RATED POWER TO THE DESIGNATED INPUT PORT ONLY.

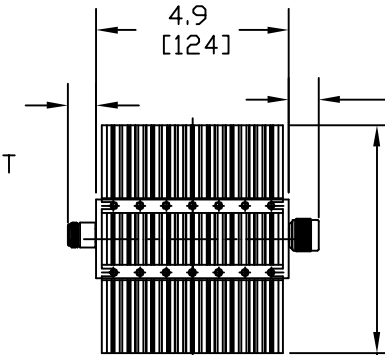


4-40 UNC-2B, TAPPED TO DEPTH OF .4" [10 mm] ON AT LEAST ONE SIDE



0.73 [18.4] FEMALE TYP. "L" OUTPUT PORT

4.21 [106.8] MAX. 3.5" MIN. (MAY VARY BY EXTRUSION LOT)



0.76 [19.4] MALE TYP. "L" INPUT PORT

5.8 [147] REF.

DRIVING PRACTICES PER ANSI Y14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED TOLERANCES IN:	DRAWN M. TURNER 09/28/2009	DATE
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	DECIMALS .075" [2.5]	CHECKED	DATE
SURFACE FINISH	.xxx" .050" [1.3]	ENG.	DATE
	.xxxx" .03 [1.27]	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. OR OMNI SPECTRA AND SHALL NOT BE REPRODUCED, 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.	
FINISH	UNLESS OTHERWISE NOTED DIA3 CONCENTRIC <.003 T.I.R.	TITLE	
SEE NOTES		150 WATT INPUT, TYPE N ATTENUATOR - AIR COOLED	
MATERIAL		SIZE C	CAGE CODE 3HT76
SEE NOTES		SCALE 1:2.5	DWG NO. 3082-7650-FQ-DB

UNLESS OTHERWISE SPECIFIED TOLERANCES IN:	DATE
DECIMALS .075" [2.5]	09/28/2009
.xxx" .050" [1.3]	
.xxxx" .03 [1.27]	

DATE	DATE
09/28/2009	

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SIZE	CAGE CODE	DWG NO.
C	3HT76	3082-7650-FQ-DB

SCALE 1:2.5 PLATE OFF. CD. REF. BCFE XXX SHEET 1 OF 1