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SPECIFICATIONS

INPUT POWER (AVG.) IMPORTANT - UNIDIRECTIONAL DESIGN
HIGHER POWER MAY RESULT IN DAMAGE TO UNIT. 100 WATTS

INPUT MAX. PEAK POWER 1,000 W
<5 μSEC. PW, <0.1% DUTY CYCLE

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

HEAT SINK THERMAL RISE (CALCULATED) 0.88°C/Watt
WEIGHT (MAX.) (LESS, DEPENDING ON CONNECTORS TYPES) 18.8 OZ. (533 GR)
TEMPERATURE RANGE -55°C TO +125°C

POWER HANDLING BEST WHEN UNIT IS MOUNTED WITH
HEAT SINK FINS VERTICALLY.

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

RF ELECTRICAL SPECIFICATIONS:

FREQ.	DC - 2 GHz	2 - 4 GHz	4 GHz - 6 GHz
VSWR (MAX.)	1.20:1	1.30:1	1.35:1
FREQ	6 - 8 GHz	8 - 12 GHz	
VSWR (MAX.)	1.40:1	1.50:1	

**PRODUCTION
RELEASE**

NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION.
INTERPRET IAW ANSI Y14.5-1982

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
-1	CORRECTED WEIGHTS, ADDED 12 GHz	05/21/2009	D. Saunders

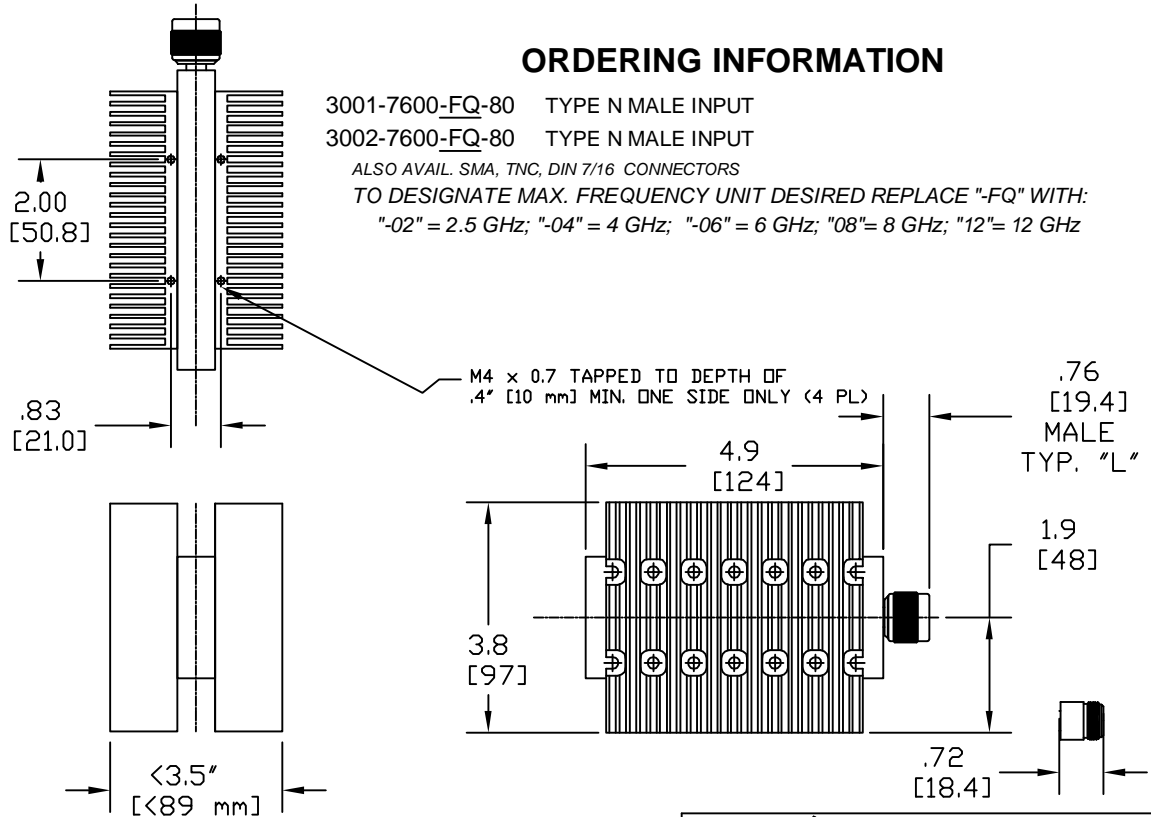
ORDERING INFORMATION

3001-7600-FQ-80 TYPE N MALE INPUT

3002-7600-FQ-80 TYPE N MALE INPUT

ALSO AVAIL. SMA, TNC, DIN 7/16 CONNECTORS

TO DESIGNATE MAX. FREQUENCY UNIT DESIRED REPLACE "-FQ" WITH:
"-02" = 2.5 GHz; "-04" = 4 GHz; "-06" = 6 GHz; "-08" = 8 GHz; "-12" = 12 GHz



DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED TOLERANCES IN: DECIMALS INCH DIM .X" .1" [2.5] .XX" .05" [1.27] .XXX" .03 [0.77]	DRAWN D. SAUNDERS	DATE
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	ANGLES ±2°	CHECKED SAUNDERS	DATE
SURFACE ROUGHNESS RINCHES		ENGINEER APPR.	DATE
FINISH SEE NOTES	UNLESS OTHERWISE NOTED DIAS ON COMMON CENTERS ARE CONCENTRIC <.003 T.I.R.	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.	
MATERIAL SEE NOTES			

XMA Powered by:
Omni Spectra®
Phone: 603-222-2256 Fax: 603-222-2259
150 Dow Street, Manchester, NH 03101

TITLE
100 WATT INPUT, TYPE N
TERMINATION - AIR COOLED

SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 3001-7600-00
SCALE 1:1	PLATED AREA SQ. IN XXX	SHEET 1 OF 1

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