HIGH POWER COAXIAL TERMINATIONS
C80 SERIES

DATA SHEET No. T23D

- **BROAD BAND: 2 – 18 GHz**
- **LOW VSWR – HIGH POWER**
- **COMPACT DESIGN**

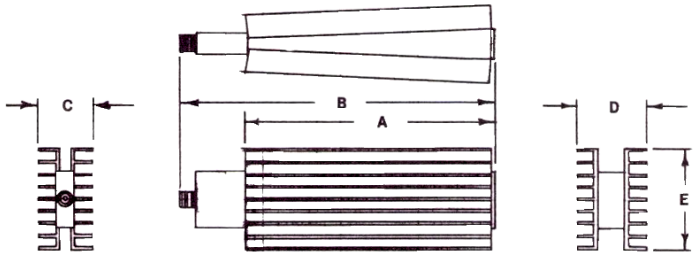
C80F-T-30-N-2.-8.

DESCRIPTION

MEC High Power Coaxial Terminations cover the frequency range from 2.0 to 18.0 GHz in single unit with a VSWR of 1.20 or less. The design assures distributed heat transfer over the entire body length to avoid hot spots. For average power levels up to 500 W, model C80H is recommended. It has passive radiating fins and may be mounted in any orientation. Model C80F has an integral fan for forced-air cooling and dissipates up to 1 KW.

Power levels above 1 KW are handled by liquid-cooled model C80W which requires pumping a coolant at a flow rate of one gallon per minute per KW of power and 10º to 60ºC inlet temperature. Pulse peak power for all models is 10 KW at sea level.

Finish on all units is high-temperature black epoxy enamel.



MODEL C80H

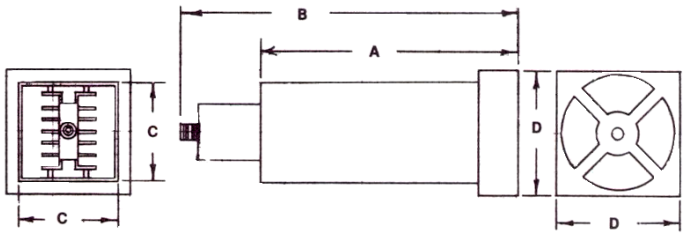
SPECIFICATIONS

Frequency: 2.0 - 18.0 GHz **VSWR: 1.20max., 1.15yp.**

MODEL	MAXIMUM AVERAGE POWER	CONNECTORS	DIMENSIONS (IN. MAX)					
			A	B	C	D	E	F
C80H	500 W	N, TNC†, SC§	12.3	16.0	2.8	3.3	4.6	—
C80F	1 KW	TNC‡, N, SC§	14.4	18.8	4.05	4.8	—	—
C80W	1-10 KW	N, SC§	12.3	16.0	2.6	3.0	3.0	11.0

† 400 W max.
§ 8 GHz max.
‡ 550 W max.

F-Fan Cooling
W-Liquid Cooling



MODEL C80F REQUIRES 115V AC

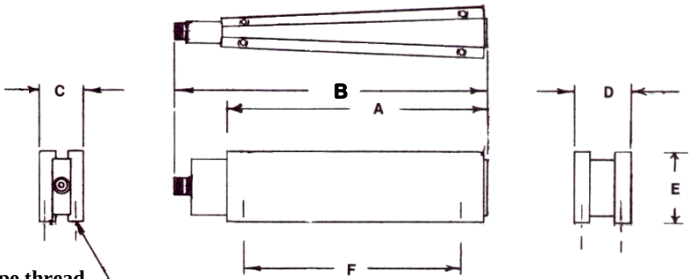
ORDERING INFORMATION

1. Add the following suffixes for Connector Type:

N -Type N Female	**TM – TNC Male**
NM -Type N Male	SC – Type SC Female
T -TNC Female	**SCM– Type SC Male**

EXAMPLE: C80F-SCM is the model number for the fan cooled 2.0 –8.0 GHz, 1

2. Other connectors and frequency bands available on request



1/8" pipe thread hole (2) for coolant fittings

MODEL C80W REQUIRES LIQUID PUMP

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