



HIGH POWER COAXIAL TERMINATIONS C80 SERIES

DATA SHEET
No. T23D

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

DESCRIPTION

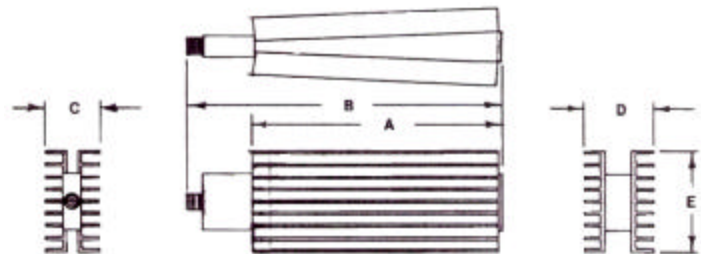
MEC High Power Coaxial Terminations cover the frequency range from 2.0 to 18.0 GHz in single unit with a VSWR of 1.20 or less. The design assures distributed heat transfer over the entire body length to avoid hot spots. For average power levels up to 500 W, model C80H is recommended. It has passive radiating 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 10° to 60°C inlet temperature. Pulse peak power for all models is 10 KW at sea level.

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



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



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

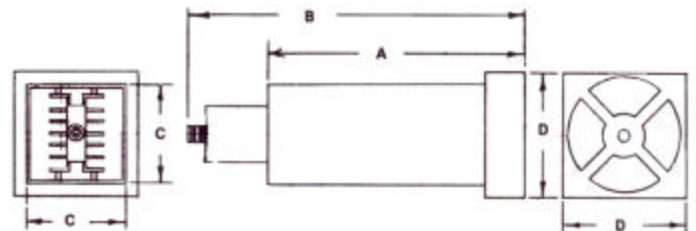
† 400 W max.

§ 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

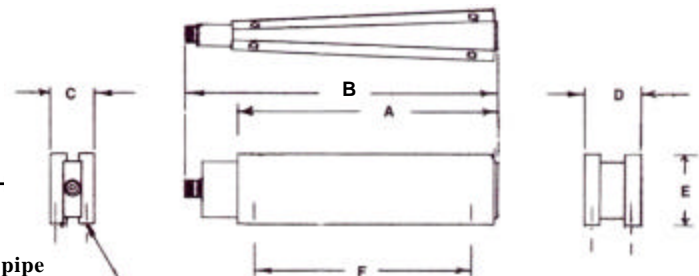
SC – Type SC Female

T -TNC Female

SCM- Type SC Male

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

2. Other connectors and frequency bands available on request



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

MODEL C80W REQUIRES LIQUID PUMP

Data subject to change without notice



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