



MICROLAB/FXR

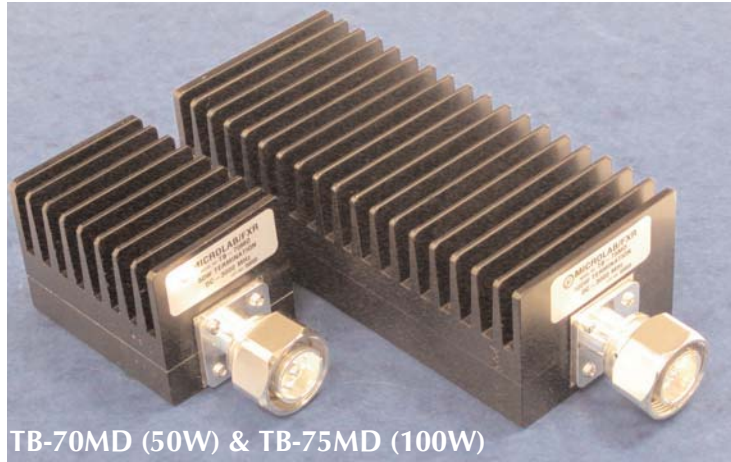
TA & TB wireless

Coaxial Loads

Low, Medium & High Power Terminations
DC - 5.5 GHz, 50Ω

\$ Saver Product Line

- ◆ Resistive Film Load
- ◆ Finned Termination
- ◆ Powers 2W to 150W
- ◆ VSWR to 1.15:1
- ◆ High Peak Power
- ◆ RoHS compliant
- ◆ Designed for wireless applications



TB-70MD (50W) & TB-75MD (100W)

Microlab/FXR TA and TB series terminations are medium power coaxial loads, which operate from DC to up to 5.5 GHz. Higher powers have cooling fins help to minimize temperature rise of the resistive film terminating element, contained within a carefully matched coaxial housing.

Standard connectors are N and 7-16 mm DIN, male or female. Call for higher powers, VSWR requirements, different connectors or other special specifications. (3/07-1)

Part No./Connector N-type	Connector 7-16 mm	Connector Gender	Band GHz	Max. Power Avg*	Max. Power Peak	Operating Range ¹ , °C	Max. VSWR at 2 GHz	Max. VSWR at max GHz	Weight ³ , N oz. (g) nom
TA-2FN	TA-2FD	female	DC-2.5	2W	2kW	-10° to +50°	1.15:1	1.15:1	1.7 (47)
TA-2MN	TA-2MD	male	DC-2.5	2W	2kW	-10° to +50°	1.15:1	1.15:1	1.7 (47)
TB-5FN		female	DC-5.5	10W	5kW	-10° to +50°	1.15:1	1.15:1	2.6 (73)
TB-5MN		male	DC-5.5	10W	5kW	-10° to +50°	1.15:1	1.15:1	2.6 (73)
TB-6FN	TB-5FD	female	DC-2.5	20W	5kW	-10° to +50°	1.15:1 ²	1.15:1	6.5 (182)
TB-6MN	TB-5MD	male	DC-2.5	20W	5kW	-10° to +50°	1.15:1 ²	1.15:1	6.5 (182)
TB-70MN	TB-70MD	male	DC-4.0	50W	10kW	-10° to +50°	1.15:1	1.25:1	21.3 (595)
TB-75MN	TB-75MD	male	DC-4.0	100W	10kW	-10° to +50°	1.15:1	1.25:1	63.2 (1770)
TB-80MN	TB-80MD	male	DC-4.0	150W	10kW	-10° to +50°	1.20:1	1.30:1	63.2 (1770)
TB-90MN	TB-90MD	male	DC-4.0	250W	10kW	-10° to +50°	1.20:1	1.35:1	94.5 (2645)

¹ Derate power by -1.5%/°C above 50°C ² Better VSWR to <1.05:1 to special order ³ Add 2.5 oz, 70 g for 7-16 DIN

1W, 5W and 10W Terminations



Length* and Cross Section, inches (mm) nom.

Model	N conn.	7-16 DIN	Diam./X sect ⁿ
TA-2FD		1.9 (48)	1.2 (29)
TA-2FN	1.2 (31)		0.7 (18)
TA-2MD		1.9 (48)	1.0 (25)
TA-2MN	1.4 (35)		0.7 (18)
TA-5 ser.	2.0 (51)	3.0 (76)	1.4 (36)
TA-6 ser.	2.5 (64)		1.4 (36)
TB-70 ser.	4.3 (110)	4.8 (118)	2.3*2.3 (60*60)
TB-75 ser.	8.3 (210)	8.6 (218)	3.2*2.3 (80*60)
TB-80 ser.	8.3 (210)	8.6 (218)	3.2*2.3 (80*60)
TB-90 ser.	9.7 (246)	10 (255)	3.9*2.3 (98*60)

*including connector

Microlab/FXR, A Wireless Telecom Group Company, 25 Eastmans Road, Parsippany NJ 07054
Tel: (973) 386-9696 • sales@microlab.fxr.com • www.microlab.fxr.com • Fax: (973) 386-9191