

- ◆ Wideband resistive film loads designed for wireless applications
- ◆ Average 10W to 250W rated loads
- ◆ Compact form factor with efficient heat dissipation
- ◆ Low VSWR
- ◆ Stable performance over wide operating temperature range
- ◆ Available with N-type & 7/16 DIN
- ◆ RoHS compliant

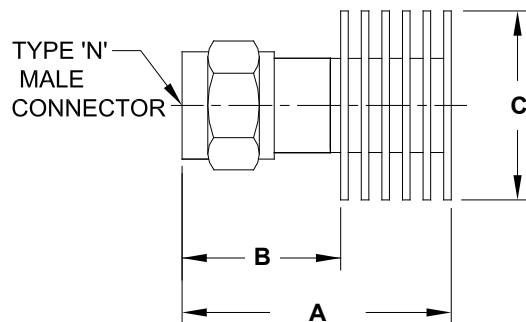


Microlab TB series terminations are medium and higher power resistive loads, which operate from DC to up to 5.5 GHz. Higher powers have cooling fins that minimize the resistive film terminating element temperature rise within a carefully matched coaxial housing for heat dissipation. Units are designed for indoor applications requiring 50Ω impedance. Variants are available with N-type and 7/16 DIN male connector interfaces.

Model No.	Connector (male)	Frequency (GHz)	Power Avg.	Power Peak	Operating Temperature* (°C)	Environment	VSWR @ 2GHz	VSWR @ max.	Weight oz. (g) nom.
TB-5MN	N-type	DC-5.5	10 W	5 kW	-10° to +50°	Indoor	<1.15:1		2.6 (73)
TB-6MN		DC-2.5	20 W						6.5 (182)
TB-10MN		DC-3.0	25 W		<1.20:1		7.0 (198)		
TB-10MD	7/16 DIN			9.5 (268)					
TB-70MN	N-type	DC-4.0	50 W	10 kW	-10° to +50°		<1.15:1	<1.25:1	21.3 (595)
TB-70MD	7/16 DIN		23.8 (665)						
TB-75MN	N-type		100 W				63.2 (1770)		
TB-75MD	7/16 DIN		65.7 (1840)						
TB-80MN	N-type		150 W				63.2 (1770)		
TB-80MD	7/16 DIN		65.7 (1840)						
TB-90MN	N-type		250 W			<1.20:1		<1.30:1	94.5 (2645)
TB-90MD	7/16 DIN							<1.35:1	97.0 (2715)

* Derate -1.5%/°C above 50°C

TB-5MN/TB-6MN/TB-10MN/MD Outline

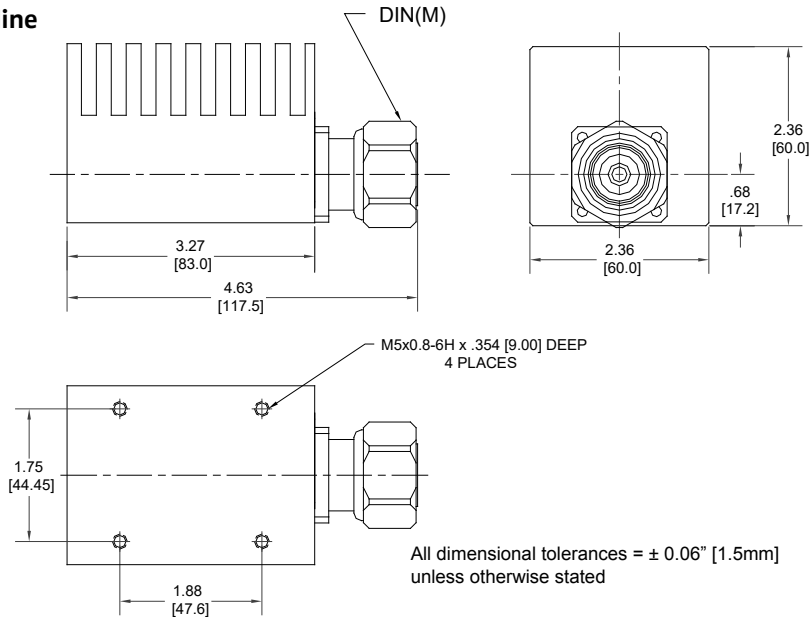


Dimensions in [mm]	A	B	C
TB-5MN	1.96[50]	1.16[30]	1.38[35]
TB-6MN	3.00[76]		
TB-10MN	3.54[90]	-	1.77[45]
TB-10MD	3.70[94]		

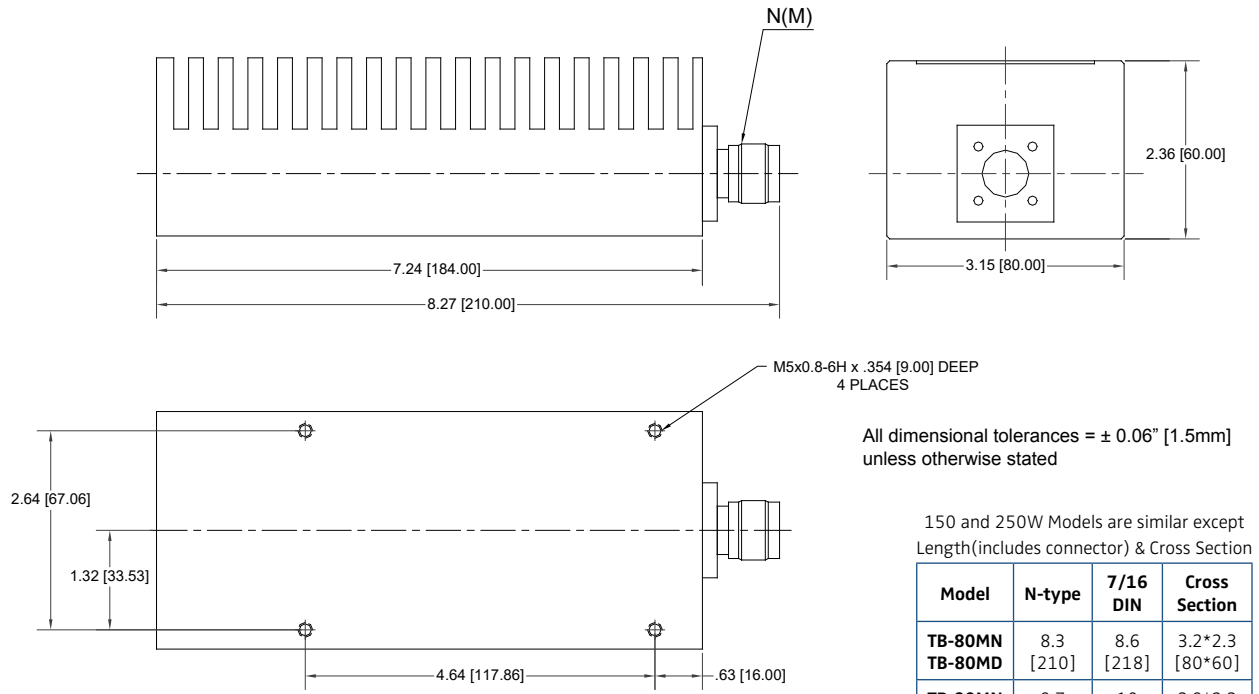
Note: Specifications are subject to change without prior notification.

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TB-70MN/MD Outline



TB-75MN/MD/FN Outline



150 and 250W Models are similar except Length(includes connector) & Cross Section

Model	N-type	7/16 DIN	Cross Section
TB-80MN TB-80MD	8.3 [210]	8.6 [218]	3.2*2.3 [80*60]
TB-90MN TB-90MD	9.7 [246]	10 [255]	3.9*2.3 [98*60]

Dimensions in inches [mm]
Mounting holes per the TB-75MN outline

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