

Model TL Series Terminating Load Resistors

The TL-series products are terminating load resistors. The lower-power loads are primarily required for the calibration phase when testing to many automotive, military and avionics test specifications, while the higher-powered offerings are intended for use with higher power amplifiers operating within the appropriate frequency and power range.

Model	Power Rating	Frequency Range	Nom. Impedance	Connectors	Size	Weight
TL50001	1W Avg	DC-4GHz	50 ohm	Input: BNC male	3.43 x 1.52 cm 1.35 x 0.600 in	19 g 0.68 oz
TL50002	2W Avg	DC-40GHz	50 ohm	Input: K male	1.93 x .84 cm .76 x .33 in	6 g 0.17 oz
TL50010	10W Avg	DC-18GHz	50 ohm	Input: N male	4.93 x 3.83 cm 1.90 x 1.53 in	90 g 3 oz
TL50050	50W Avg	DC-18GHz	50 ohm	Input: N male	10.40 x 4.10 cm 4.10 x 1.60 in	175 g 6 oz

The high-power TL501000 and TL502000 differ from other TL-series offerings as these models consist of four individual loads combined into a single compact package. A rugged four-way splitter accepts the high-power RF input and distributes the power among the loads.

The TL501000M1 terminating load is well matched for use with a 700S1G4A amplifier, while the TL502000 will handle the power of a 1000S1G4, or in other applications operating within the appropriate frequency and power range.



Model	Power Rating	Frequency Range	Nom. Impedance	Connectors	Size	Weight
TL501000	1000W Avg (Unidirectional)	.8-4.2GHz	50 ohm	Input: 7-16 DIN female	30.48 x 29.46 x 28.96 cm 12 x 11.6 x 11.4 in	11.5 kg 25.3 lbs
TL501000M1	1000W Avg (Unidirectional)	.8-4.2GHz	50 ohm	Input: 7/8" EIA female	30.48 x 29.46 x 28.96 cm 12 x 11.6 x 11.4 in	11.5 kg 25.3 lbs
TL502000	2000W Avg (Unidirectional)	.8-4.2GHz	50 ohm	Input: 7/8" EIA female	55.9 x 30.5 x 37.1 cm 22 x 12 x 14.6 in	29 kg 64 lbs

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