

## 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<br>1.35 x 0.600 in | 19 g<br>0.68 oz |
| TL50002 | 2W Avg       | DC-40GHz        | 50 ohm         | Input: K male   | 1.93 x .84 cm<br>.76 x .33 in     | 6 g<br>0.17 oz  |
| TL50010 | 10W Avg      | DC-18GHz        | 50 ohm         | Input: N male   | 4.93 x 3.83 cm<br>1.90 x 1.53 in  | 90 g<br>3 oz    |
| TL50050 | 50W Avg      | DC-18GHz        | 50 ohm         | Input: N male   | 10.40 x 4.10 cm<br>4.10 x 1.60 in | 175 g<br>6 oz   |

The high-power TL501000 differs from other TL-series offerings as this model consists of four individual loads combined into a single compact package. The rugged four-way splitter accepts the high-power RF input and distributes the power among the loads.

The TL501000 terminating load is well matched for use with a 600S1G4A amplifier, 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<br>(Unidirectional) | .8-4.2GHz       | 50 ohm         | Input: 7-16 DIN female | 30.48 x 29.46 x 28.96 cm<br>12 x 11.6 x 11.4 in | 11.5 kg<br>25.3 lbs |

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