



### Features

- /// **Quality connectors with special high temperature support beads.**
- /// **Designed to meet environmental requirements of MIL-A-3933.**

### Specifications

Nominal Impedance: 50 Ohms  
 Frequency: DC to 18GHz  
 Power Rating: 100 watts  
 Connector: Stainless Steel

Part Number	freq. (GHz)	VSWR max.
TP4-Nm-100WG	DC-4	1.15
TP8-Nm-100WG	DC-8	1.20
TP12.4-Nm-100WG	DC-12.4	1.25
TP18-Nm-100WG	DC-18	1.35

POWER RATING: 100Watts average (mounted horizontally assuming unobstructed air flow and natural convection around unit) to 25°C ambient temperature, derated linearly to 10% @ 125°C. 5 kilowatts peak (5usec pulse width; 0.5% duty cycle)

TEMPERATURE RANGE: -55°C to +125°C

CONNECTORS: Type N connectors per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connectors.

Connector Options	Type/Description
Nm	Type N male

CONSTRUCTION: Aluminum alloy body, stainless steel connectors; gold plated beryllium female center contacts and brass male center contacts.

WEIGHT: 350 g

### MODEL NUMBER DESCRIPTION

**TP18- XX - 100WG**

Freq. Max.      Connector Options  
                          1st digit is connector type  
                          2nd digit is male or female

Power      Stainless Steel

\* Add -LIM for Low Intermodulation option.