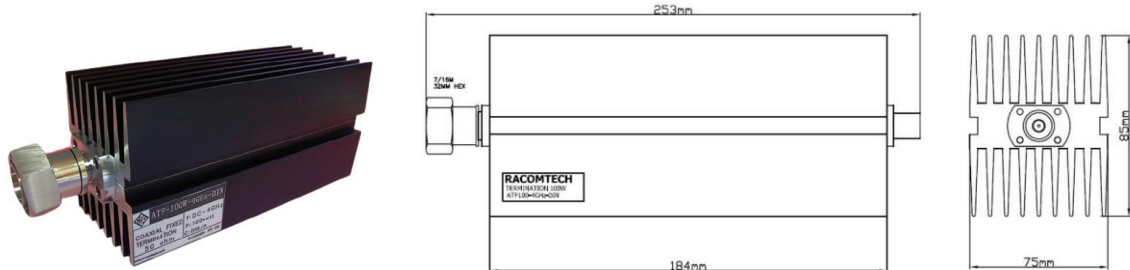


100 W Coaxial Termination DC-4GHz

Model: ATF-100-4GHz-DIN DC-4GHz 100Watts



Coaxial fixed terminations absorb RF& microwave energy and are commonly used as dummy loads of antenna and transmitter. They are also used as match ports in many multiport microwave device such as circulator and directional coupler to make these ports which are not involved in the measurement be terminated in their characteristic impedance in order to ensure an accurate measurement.

TF serial coaxial fixed termination's average power 2W-10KW, frequency range dc-18GHz and feature wide frequency band, low VSWR, excellent capacity in anti-pulse and anti-burnout.

MECHANICAL SPECIFICATIONS

Connectors	Brass Tri-Alloy-Plating
Male Pin	Brass Gold Plated
Female Pin	Beryllium Copper Gold Plated
Housing	Aluminium Black Anodized
Temp Range	-55°C ~ +125°C
Dimensions	253mm x 75mm 85mm
Weight	1.95kg

ELECTRICAL SPECIFICATIONS

Model	Frequency Range (GHz)	Max VSWR
ATF100-4-DIN716	DC-4	≤1.25

Nominal impedance: 50Ω

PORT: Male

AVERAGE POWER: 100W average to 25°C ambient temperature. derated linearly to 10W @125°C.

PEAK POWER: 10kW (5μs pulse width 1% duty cycle)

3rdORDER INTERMODURATION (Optional): Reflected Levels (IM3) <-100dbC with two input signals@935MHz and 960MHz with average carrier power levels of 43dBm each

CONNECTOR TYPE: DIN716

Notes:

- 1) Dimensions Tolerance ±5%
- 2) Dimension and specifications refer to connector type N unless otherwise specified
- 3) Customer designs available for other special attenuators value and accuracy

Test Report:

Typical test results on ATF-100-4GHz

