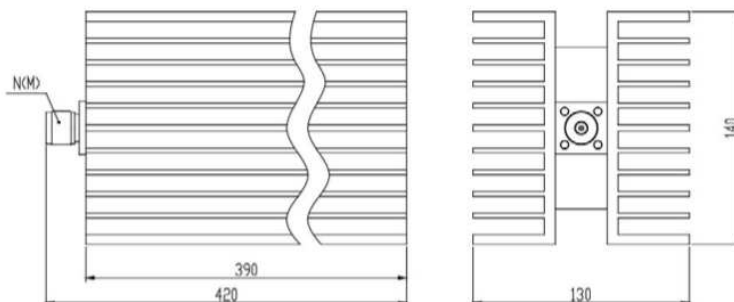


500 W Coaxial Termination DC-4GHz

Model: RTS-500-4GHz-Y DC-4GHz 500Watts



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 Nickel Plated
Male Pin	Brass Gold Plated
Female Pin	Beryllium Copper Gold Plated
Housing	Aluminum, Black Anodize
Temp Range	-55° C ~ +125° C
Dimensions	420×140×130mm
Weight	9.3Kg

RoHS Compliant: Yes

ELECTRICAL SPECIFICATIONS

Model	Frequency Range(GHz)	Max VSWR	Power Avg (W)	Power Peak (W)	Dimensions (mm)
RTS-500-4GHz-Y	DC-1	≤1.15	500	10000	420 x 140 x 130
	DC-2	≤1.25			
	DC-3	≤1.35			
	DC-4	≤1.45			

Nominal impedance: 50Ω

PORT: N, DIN716

AVERAGE POWER: 500W average to 25°C ambient temperature, derated linearly to 50W @125°C.

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

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

CONNECTOR TYPE: N 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

500 W Coaxial Termination Test Report

Model: RTS-500-4GHz- Y DC-4GHz 500Watts

VSWR Test Report:

PIN: 13031301

15/03/2013

Mark	Frequency	VSWR
M1	10MHz	1.0153
M2	1000MHz	1.1139
M3	2000MHz	1.1507
M4	3000MHz	1.059
M5	4000MHz	1.0011

