

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.

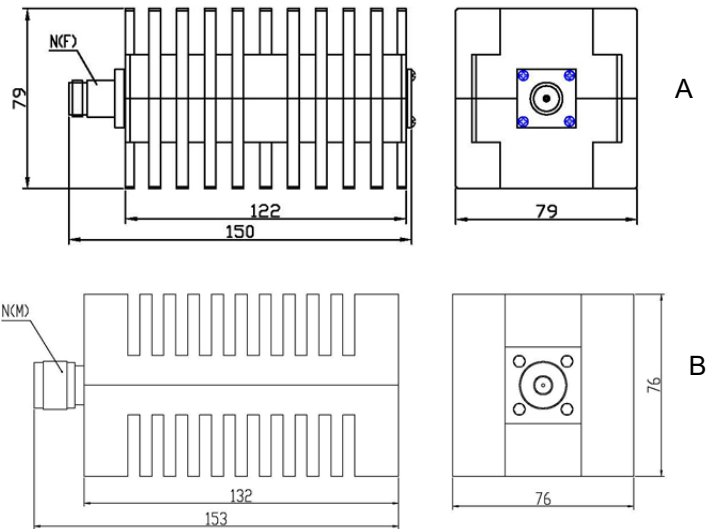
N serial coaxial fixed termination's average power 50W-500W, frequency range DC-18GHz and feature wide frequency band, low VSWR, excellent capacity in anti-pulse and anti-burnout.



A



B



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	A:150×79×79mm B:153×76×76mm
Weight	A:1.5Kg B:1.45Kg

RoHS Compliant: Yes

ELECTRICAL SPECIFICATIONS

Model Number	Frequency Range (GHz)	Max VSWR
ST27XB-50-100W-04W	DC-4	1.15
ST27XB-50-100W-08W	DC-8	1.25
ST27XB-50-100W-10W	DC-10	1.35
ST27XB-50-100W-18W	DC-18	1.55

Note: X refer to connector Gender, 1 means Male, 2 means Female

NOMINAL IMPEDANCE: 50Ω

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

PEAK POWER: 5KW (5μs pulse width with 2% duty cycle)

CONNECTOR TYPE: N

Notes:

1. Dimensions Tolerance ±5%
2. Custom designs available