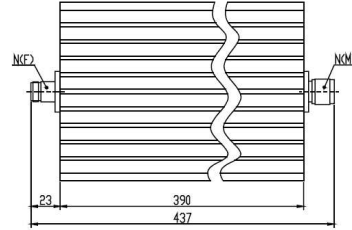


500 W Coaxial Fixed Attenuators DC-4GHz

Model: ATS-500-4GHz-XX (DTS500) DC-4GHz 500Watts



Coaxial fixed attenuators are used in absorbing energy of transmission line, expanding power range and controlling power level, they are also used in accurately measuring power or spectrum of RF microwave transmitters accompany with small power meter, comprehensive tester or spectrum analyzer.

DTS serial coaxial fixed attenuators' average power 10W-10KW, frequency range DC-26.5GHz and feature wide frequency band, low VSWR, flatness attenuation value, 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	Aluminium Back Anodize
Tem Range	-55°C – +125°C
Dimensions	410mm × 110mm × 90mm
Weight	6.5 kg (packed)

ROHS Compliant: Yes

ELECTRICAL SPECIFICATIONS

Model	Frequency Range(GHz)	Attenuation Value & Accuracy(dB)					Max VSWR
			20	30	40	50	
ATS500-1-XX	DC-1		±1.00	±0.850	±0.60	±0.60	≤1.15
ATS500-2-XX	DC-2		±1.10	±1.20	±1.10	±1.10	≤1.20
ATS002-3-XX	DC-3		±1.35	±1.35	±1.25	±1.20	≤1.25
ATS002-4-XX	DC-4		±2.10	±1.85	±1.60	±1.50	≤1.35

Note: xx refer to attenuation value in dB

Nominal impedance: 50Ω

PORT: Male (Input) / Female (Output), Max. Power rating into output port is 100 Watts average

AVERAGE POWER: 500W (INPUT PORT Uni- Direction) average to 25°C ambient temperature. derated linearly to 50W @125°C, fan or better cooling may be required to run on full load and long loading time.

PEAK POWER: 10kW (5μs pulse width 5% 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: 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