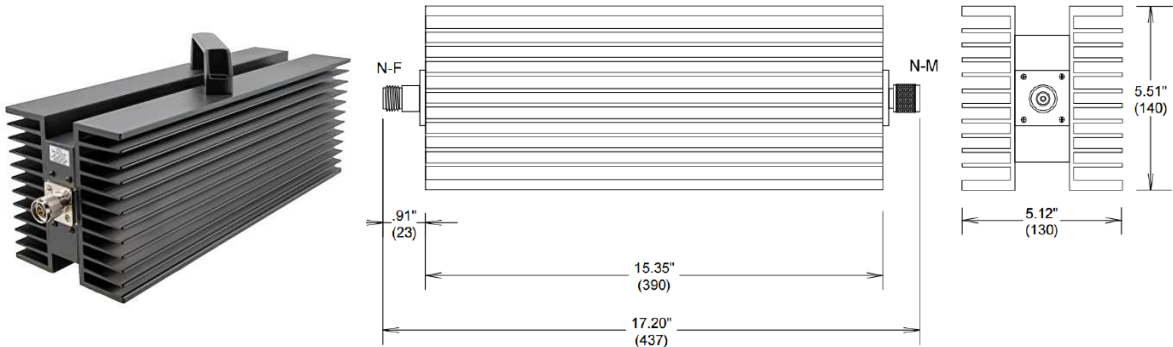


500 W FIXED ATTENUATOR DC-4.0GHz

Model: DTS-500-4GHz-XX DC-4.0GHz 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.

ATS serial coaxial fixed attenuators' average power 1W-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
PIN	Beryllium copper Gold Plate
HOUSING	Aluminium
INSULATOR	PTFE Virgin Electrical Grade
OPERATING TEMP.	-55° C to +125° C
Dimensions (mm)	437 x140 x130mm
WEIGHT kg	8.4kg

RoHS compliant: Yes

ELECTRICAL SPECIFICATIONS

Model	Frequency Range (GHz)	Attenuation & Accuracy (dB)				Power AVG(W)	Max VSWR
		20	30	40	50		
DTS-500W-1GHz-XX	DC-1	±1.0	±0.5	±0.5	±0.5	500	≤1.20
DTS-500W-2GHz-XX	DC-2	±1.5	±1.0	±1.0	±1.0		≤1.25
DTS-500W-3GHz-XX	DC-3	±1.75	±1.25	±1.25	±1.25		≤1.35
DTS-300W-4GHz-XX	DC-4	±2.0	±1.5	±1.5	±1.5		≤1.40

Nominal impedance: 50Ω

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

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

CONNECTOR TYPE: N male (input) / N female (output), DIN716

3rd ORDER INTERMODULATION (option): Reflection level (IM3) <-100dBc with two input signals of 935MHz and 960MHz at the power level of -43dBm each

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