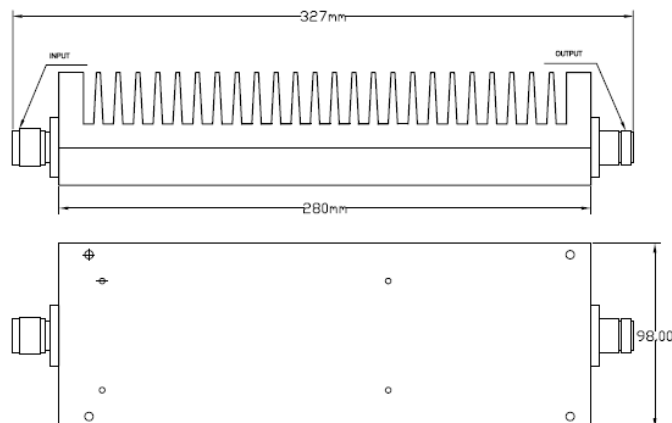


## 300 W FIXED ATTENUATOR DC-4.0GHz

Model: DTS-300-4GHz-XX DC-4.0GHz 300Watts



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)	327 x98 x60mm
WEIGHT kg	3.0kg

RoHS compliant: Yes

### ELECTRICAL SPECIFICATIONS

Model	Frequency Range (GHz)	Attenuation & Accuracy (dB)					Power AVG(W)	Max VSWR
		10	20	30	40	50		
DTS-300W-1GHz-XX	DC-1	±1.0	±1.0	±0.75	±0.75	±0.75	300	≤1.20
DTS-300W-2GHz-XX	DC-2	±1.5	±1.5	±1.0	±1.0	±1.0		≤1.25
DTS-300W-3GHz-XX	DC-2	±1.75	±1.75	±1.25	±1.25	±1.25		≤1.35
DTS-300W-4GHz-XX	DC-2	±2.0	±2.0	±1.5	±1.5	±1.5		≤1.40

**Nominal impedance:** 50Ω

**AVERAGE POWER:** 300W average to 25°C ambient temperature, derated linearly to 30W @125°C

**PEAK POWER:** 10kW (5μs pulse width 3% duty cycle)

**CONNECTOR TYPE:** N male (input) / N female (output)

**3<sup>rd</sup> 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