

# DTS100G-E Coaxial Fixed Attenuator

(DC - Max.18GHz 100 Watts)

## Key Features

- Wide frequency range up to 18GHz
- 100W average power and 1kW peak power
- Low VSWR and flatness attenuation value
- Excellent capacity in anti-pulse and anti-burnout
- Custom designs available
- RoHS Compliant



## Overview

Saluki DTS100G-E series coaxial fixed attenuator covers frequency from DC to 18GHz and features low VSWR, flatness attenuation value and excellent capacity in anti-pulse and anti-burnout etc..

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.

## Electrical Specifications

P/N	Frequency Range (GHz)	Attenuation Value & Accuracy (dB)				Max. VSWR	
		3	6	10	20	Normal	Precise
DTS100G-XX-8-E	DC - 8	±1.0	±1.0	-2.0/+1.0	-1.5/+1.0	1.30	1.30
DTS100G-XX-12.4-E	DC - 12.4	-1.0/+1.5	-1.0/+3.0	-2.0/+1.5	±1.5	1.35	1.35
DTS100G-XX-18-E	DC - 18	-1.0/+2.0	-1.0/+3.0	-2.0/+2.5	-1.5/+2.5	1.45	1.40

# DTS100G-E Coaxial Fixed Attenuator

(DC - Max.18GHz 100 Watts)

P/N	Frequency Range (GHz)	Attenuation Value & Accuracy (dB)			Max. VSWR	
		30	40	50	Normal	Precise
DTS100G-XX-8-E	DC - 8	±1.0	±1.0	±0.5	1.30	1.30
DTS100G-XX-12.4-E	DC - 12.4	±1.2	±1.2	-0.5/+1.5	1.35	1.35
DTS100G-XX-18-E	DC - 18	-1.2/+2.0	-1.2/+2.0	-0.5/+2.0	1.45	1.40

\*Note: XX refer to attenuation value in dB.

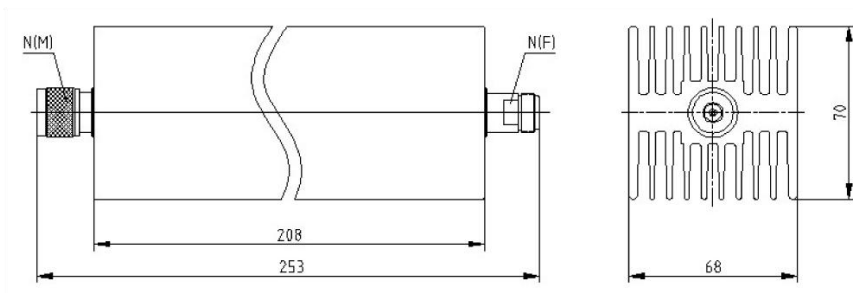
**AVERAGE POWER:** 100W average to 25°C ambient temperature, derated linearly to 10W @ 125°C.

**PEAK POWER:** 1KW (5μs pulse width with 10% duty cycle)

**CONNECTOR TYPE:** N,SMA,TNC (50 ohm)

## 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 to +125°C
Dimension	253 × 68 × 70 mm
Weight	1.8kg



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