Data Sheet

RF Attenuator 5903_N-50-1/199_N



Description

Standard Attenuator, High Power



Product Configuration

Connector (side 1 / side 2) Interface Standards N plug (male) / N jack (female)

IEC 60169-16_MIL-STD-348A/304_CECC 22210

Technical Data

Electrical Data

 $\begin{array}{lll} \mbox{Nominal impedance} & \mbox{50 } \Omega \\ \mbox{Nominal attenuation} & \mbox{3 dB} \\ \mbox{Frequency range} & \mbox{DC to 6 GHz} \end{array}$

 Frequency sub range (GHz)
 DC to 1.5
 1.5 to 2.5
 2.5 to 6

 Attenuation deviation (±dB)
 0.5
 0.5
 0.75

 VSWR max.
 1.25
 1.35
 1.45

Power rating 100 Watt average power up to 25 °C ambient temperature, linearly derated to 20 Watt at 125 °C ambient

temperature.

Free airflow convection necessary to ensure power performances. Unit is unidirectional, therefore don't swap input with output (note: input is usually on the male side, otherwise follow instructions on the heatsink)

1000 Watt peak power, 5 µs pulse, 0.05 % duty cycle

Mechanical Data

Weight 1.12 kg

Environmental Data

Operating temperature -55 °C to 125 °C 2011/65/EU (RoHS) compliant

Material Data

Piece Part (side 1)	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Stainless Steel	Passivated (Plating)
Body	Aluminium	Anodized
Insulator	PTFE (Polytetrafluoroethylene)	
Coupling nut	Stainless Steel	Passivated (Plating)
Piece Part (side2)	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Stainless Steel	Passivated (Plating)
Body	Aluminium	Anodized
Insulator	PTFE (Polytetrafluoroethylene)	

Related Documents

Outline drawing DOU-00112569

Ordering Information

Single packaging 5903_N-50-1/199_NE

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