

## RF Attenuator 5903\_N-50-1/199\_N

### Description

Standard Attenuator, High Power



### Product Configuration

Connector (side 1 / side 2) N plug (male) / N jack (female)  
 Interface Standards IEC 60169-16\_MIL-STD-348A/304\_CECC 22210

### Technical Data

#### Electrical Data

Nominal impedance	50 Ω		
Nominal attenuation	3 dB		
Frequency range	DC to 6 GHz		
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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