Data Sheet

RF Attenuator 5930_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

 $\begin{array}{lll} \mbox{Nominal impedance} & \mbox{50 } \Omega \\ \mbox{Nominal attenuation} & \mbox{30 dB} \\ \mbox{Frequency range} & \mbox{DC to 6 GHz} \end{array}$

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

 Attenuation deviation (±dB)
 0.75
 0.75
 1.5

 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

Centre contactCopper Beryllium AlloyGold PlatingOuter contactStainless SteelPassivated (Plating)BodyAluminiumAnodizedInsulatorPTFE (Polytetrafluoroethylene)Coupling nutStainless SteelPassivated (Plating)Piece Part (side2)MaterialSurface PlatingCentre contactCopper Beryllium AlloyGold PlatingOuter contactStainless SteelPassivated (Plating)BodyAluminiumAnodizedInsulatorPTFE (Polytetrafluoroethylene)	Piece Part (side 1)	Material	Surface 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	Centre contact	Copper Beryllium Alloy	Gold Plating
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	Outer contact	Stainless Steel	Passivated (Plating)
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	Body	Aluminium	Anodized
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)	
Centre contact Copper Beryllium Alloy Gold Plating Outer contact Stainless Steel Passivated (Plating) Body Aluminium Anodized	Coupling nut	Stainless Steel	Passivated (Plating)
Outer contact Stainless Steel Passivated (Plating) Body Aluminium Anodized	Piece Part (side2)	Material	Surface Plating
Body Aluminium Anodized	Centre contact	Copper Beryllium Alloy	Gold Plating
	Outer contact	Stainless Steel	Passivated (Plating)
Insulator PTFE (Polytetrafluoroethylene)	Body	Aluminium	Anodized
	Insulator	PTFE (Polytetrafluoroethylene)	

Related Documents

Outline drawing DOU-00112569

Ordering Information

Single packaging 5930_N-50-1/199_NE

Additional Information

Remarks

Unidirectional device - connect the input to the right side Reverse power 20W only

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