## **Data Sheet**

# RF Attenuator 5940 SMA-50-005/19-\_N



## **Description**

Standard Attenuator, Medium Power



## **Product Configuration**

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

IEC 60169-15\_MIL-STD-348A/310\_CECC 22110

#### **Technical Data**

**Electrical Data** 

 $\begin{array}{ll} \mbox{Nominal impedance} & \mbox{50 } \mbox{\Omega} \\ \mbox{Nominal attenuation} & \mbox{40 dB} \\ \end{array}$ 

Frequency range DC to 18 GHz

 Frequency sub range (GHz)
 DC to 4
 4 to 8
 8 to 12.4
 12.4 to 18

 Attenuation deviation (±dB)
 1.5
 1.5
 1.5
 1.5

 VSWR max.
 1.15
 1.2
 1.25
 1.35

Power rating 5 Watt average power up to 25 °C ambient temperature, linearly derated to 1 Watt at 125 °C ambient

temperature.

**Mechanical Data** 

Weight 0.01 kg

**Environmental Data** 

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

#### **Material Data**

Centre contact       Copper Beryllium Alloy       Gold Plating (without Nickel underplating)         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 (without Nickel underplating)         Outer contact       Stainless Steel       Passivated (Plating)	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 (without Nickel underplating)  Outer contact Stainless Steel Passivated (Plating)	Centre contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)
Insulator PTFE (Polytetrafluoroethylene)  Coupling nut Stainless Steel Passivated (Plating)  Piece Part (side2) Material Surface Plating  Centre contact Copper Beryllium Alloy Gold Plating (without Nickel underplating)  Outer contact Stainless Steel Passivated (Plating)	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 (without Nickel underplating)  Outer contact Stainless Steel Passivated (Plating)	Body	Aluminium	Anodized
Piece Part (side2)     Material     Surface Plating       Centre contact     Copper Beryllium Alloy     Gold Plating (without Nickel underplating)       Outer contact     Stainless Steel     Passivated (Plating)	Insulator	PTFE (Polytetrafluoroethylene)	
Centre contact Copper Beryllium Alloy Gold Plating (without Nickel underplating)  Outer contact Stainless Steel Passivated (Plating)	Coupling nut	Stainless Steel	Passivated (Plating)
Outer contact Stainless Steel Passivated (Plating)	Piece Part (side2)	Material	Surface Plating
	Centre contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)
	Outer contact	Stainless Steel	Passivated (Plating)
Body Aluminium Anodized	Body	Aluminium	Anodized
Insulator PTFE (Polytetrafluoroethylene)	Inculator		

## **Related Documents**

Outline drawing DOU-00121326

### **Ordering Information**

Single packaging 5940\_SMA-50-005/19-\_NE

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