Data Sheet



RF Attenuator 6810.19.A

Description

Standard Attenuator, Low 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

 $\begin{array}{lll} \mbox{Nominal impedance} & 50~\Omega \\ \mbox{Nominal attenuation} & 10~\mbox{dB} \\ \mbox{Frequency range} & \mbox{DC to 18 GHz} \end{array}$

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

 Attenuation deviation (±dB)
 0.3
 0.3
 0.6
 0.8

 VSWR max.
 1.1
 1.2
 1.2
 1.35

Power rating 1 Watt average power up to 30 °C ambient temperature, linearly derated to 0 Watt at 130 °C ambient

temperature.

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

Mechanical Data

Weight 0.008 kg

Environmental Data

Operating temperature 2011/65/EU (RoHS - including 2015/863 and 2017/2102) -55 °C to 130 °C compliant

Material Data

Piece Part (side 1)	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Copper Beryllium Alloy	Gold Plating
Body	Copper Beryllium Alloy	Gold Plating
Insulator	PFA / PTFE	
Coupling nut	Bronze	Gold Plating
Piece Part (side2)	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Copper Beryllium Alloy	Gold Plating
Body	Copper Beryllium Alloy	Gold Plating
Insulator	PFA / PTFE	

Related Documents

Outline drawing DCA-00005292

Ordering Information

Single packaging 6810.19.A

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS

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