

RF Attenuator 6810.19.A

Description

Standard Attenuator, Low Power



Product Configuration

| | |
|-----------------------------|--|
| Connector (side 1 / side 2) | SMA plug (male) / SMA jack (female) |
| Interface Standards | IEC 60169-15_MIL-STD-348A/310_CECC 22110 |

Technical Data

Electrical Data

| | | | | |
|-----------------------------------|--|--------|-----------|------------|
| Nominal impedance | 50 Ω | | | |
| Nominal attenuation | 10 dB | | | |
| 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 (\pm 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 μ s pulse, 0.05 % duty cycle | | | |

Mechanical Data

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| Weight | 0.008 kg |
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Environmental Data

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

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| Outline drawing | DCA-00005292 |
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Ordering Information

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| Single packaging | 6810.19.A |
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