

**COAXIAL FIXED ATTENUATOR, 50 Ohm, 8 dB, SMA**

6608\_SMA-50-2/199\_N

**Properties**

- Wide range of interfaces
- Various bandwidth to improve the impedance matching between subsystems of its waveform
- Used in many test and measurement and communication applications.

**Product configuration**

| Interface | Gender        | Standard                                  |
|-----------|---------------|-------------------------------------------|
| SMA       | plug (male)   | IEC 60169-15_MIL-STD-348A/310_CEECC 22110 |
| SMA       | jack (female) | IEC 60169-15_MIL-STD-348A/310_CEECC 22110 |

**Electrical data**

|                     |                 |
|---------------------|-----------------|
| Impedance           | 50Ω             |
| Operating frequency | 0 GHz ... 6 GHz |
| Attenuation nominal | 8 dB            |
| VSWR                | 1.25            |
| Return loss         | 19.1 dB         |

**Electrical Data (frequency related)**

| Frequency range | Attenuation deviation | VSWR max |
|-----------------|-----------------------|----------|
| 0 GHz to 6 GHz  | +/- 0.5 dB            | 1.25     |

**Electrical Data (power)**

|               |                                                                                            |
|---------------|--------------------------------------------------------------------------------------------|
| Average power | 2 W at 25 °C ambient temperature. Linearly derated to 0.2 W at 100 °C ambient temperature. |
| Peak power    | 250 W, 5 μs pulse width, 0.4 % duty cycle                                                  |

**Interface and material data**

| Interface       | SMA / plug (male)              |                      |
|-----------------|--------------------------------|----------------------|
| Piece parts     | Material                       | Plating              |
| Centre contact  | Copper Beryllium Alloy         | Gold Plating         |
| Outer conductor | Stainless Steel                | Passivated (Plating) |
| Body            | Stainless Steel                | Passivated (Plating) |
| Insulator       | PTFE (Polytetrafluoroethylene) |                      |
| Coupling nut    | Stainless Steel                | Passivated (Plating) |

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| Interface and material data |                                |                      |
|-----------------------------|--------------------------------|----------------------|
| Gasket                      | VMQ (Silicone rubber)          |                      |
| Interface                   | SMA / jack (female)            |                      |
| Piece parts                 | Material                       | Plating              |
| Centre contact              | Copper Beryllium Alloy         | Gold Plating         |
| Outer conductor             | Stainless Steel                | Passivated (Plating) |
| Body                        | Stainless Steel                | Passivated (Plating) |
| Insulator                   | PTFE (Polytetrafluoroethylene) |                      |

| Mechanical data |          |
|-----------------|----------|
| Weight          | 0.006 kg |

| Environmental data    |                   |
|-----------------------|-------------------|
| Operation temperature | -55 °C ... 125 °C |

| Ordering Information Table |                      |
|----------------------------|----------------------|
| Item number                | Item description     |
| 85177120                   | 6608_SMA-50-2/199_NE |

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