## RF Attenuator 6620\_SMA-50-3/199\_N

### **Description**

Standard Attenuator, Low Power

Product Configuration





| Connector (side 1 / side 2)<br>Interface Standards | SMA plug (male) / SMA jack (female)<br>IEC 60169-15_MIL-STD-348A/310_CECC 22110   |         |           |                 |          |  |
|--|---|---------|-----------|-----------------|----------|--|
| Technical Data                                     |   |         |           |                 |          |  |
| Electrical Data                                    |   |         |           |                 |          |  |
| Nominal impedance                                  | 50 Ω  |         |           |                 |          |  |
| Nominal attenuation                                | 20 dB   |         |           |                 |          |  |
| Frequency range                                    | DC to 23 GHz  |         |           |                 |          |  |
| Frequency sub range (GHz)                          | DC to 4   | 4 to 8  | 8 to 12.4 | 12.4 to 18      | 18 to 23 |  |
| Attenuation deviation (±dB)                        | 0.5   | 0.5     | 0.5       | 0.5             | 0.6      |  |
| VSWR max.  | 1.15  | 1.2     | 1.25      | 1.35            | 1.4      |  |
| Power rating                                       | 2 Watt average power up to 25 °C ambient temperature, linearly derated to 0.5 Watt at 125 °C ambient temperature.<br>250 Watt peak power, 5 μs pulse, 0.05 % duty cycle |         |           |                 |          |  |
| Mechanical Data                                    |   |         |           |                 |          |  |
| Weight   | 0.004 kg  |         |           |                 |          |  |
| Environmental Data                                 |   |         |           |                 |          |  |
| Operating temperature                              | -65 °C to 125 °   | с       |           |                 |          |  |
| 2011/65/EU (RoHS)                                  | compliant   |         |           |                 |          |  |
| Material Data                                      |   |         |           |                 |          |  |
| Piece Part (side 1)                                | Material  |         | Surfa     | Surface Plating |          |  |
| Centre contact                                     | Copper Berylliu   | m Allov | Gold      | Gold Plating    |          |  |

| Centre contact                    | Copper Beryllium Alloy             | Gold Plating                 |  |
|-----------------------------------|------------------------------------|------------------------------|--|
| Outer contact                     | Stainless Steel                    | Passivated (Plating)         |  |
| Body                              | Stainless Steel                    | Passivated (Plating)         |  |
| Insulator                         | PTFE (Polytetrafluoroethylene)     |                              |  |
| Coupling nut                      | Stainless Steel                    | Passivated (Plating)         |  |
|                                   |                                    |                              |  |
| Piece Part (side2)                | Material                           | Surface Plating              |  |
| Piece Part (side2) Centre contact | Material<br>Copper Beryllium Alloy | Surface Plating Gold Plating |  |
|                                   |                                    | -                            |  |
| Centre contact                    | Copper Beryllium Alloy             | Gold Plating                 |  |

## **Related Documents**

Outline drawing

DOU-00121644

#### **Ordering Information**

Single packaging

6620\_SMA-50-3/199\_NE

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