

**COAXIAL FIXED ATTENUATOR, 50 Ohm, 6 dB, QMA**

6806\_QMA-50-2/133\_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          |
| QMA       | plug (male)   | QMA QLF compliant |
| QMA       | jack (female) | QMA QLF compliant |

**Electrical data**

|                     |                 |
|---------------------|-----------------|
| Impedance           | 50Ω             |
| Operating frequency | 0 GHz ... 6 GHz |
| Attenuation nominal | 6 dB            |
| VSWR                | 1.2             |
| Return loss         | 20.8 dB         |

**Electrical Data (frequency related)**

| Frequency range | Attenuation deviation | VSWR max |
|-----------------|-----------------------|----------|
| 0 GHz to 6 GHz  | +/- 0.5 dB            | 1.2      |

**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          | QMA / plug (male)              |                   |
| <b>Piece parts</b> | <b>Material</b>                | <b>Plating</b>    |
| Centre contact     | Copper Beryllium Alloy         | Gold Plating      |
| Outer conductor    | Brass                          | Tri-metal Plating |
| Insulator          | PTFE (Polytetrafluoroethylene) |                   |
| Coupling nut       | Brass                          | Tri-metal Plating |
| Interface          | QMA / jack (female)            |                   |

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| Interface and material data |                                |                   |
|-----------------------------|--------------------------------|-------------------|
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| Insulator                   | PTFE (Polytetrafluoroethylene) |                   |

| Mechanical data |          |
|-----------------|----------|
| Weight          | 0.007 kg |

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

| Ordering Information Table |                      |
|----------------------------|----------------------|
| Item number                | Item description     |
| 85177167                   | 6806_QMA-50-2/133_NE |

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