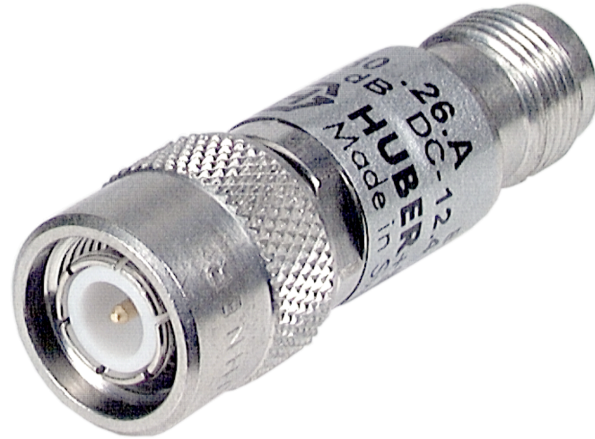


**COAXIAL FIXED ATTENUATOR, 50 Ohm, 6 dB, TNC**

6806.26.A

**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                                 |
| TNC                   | plug (male)   | IEC 60169-17_MIL-STD-348A/313_CECC 22200 |
| TNC                   | jack (female) | IEC 60169-17_MIL-STD-348A/313_CECC 22200 |

| Electrical data     |                    |
|---------------------|--------------------|
| Impedance           | 50Ω                |
| Operating frequency | 0 GHz ... 12.4 GHz |
| Attenuation nominal | 6 dB               |
| VSWR                | 1.4                |
| Return loss         | 15.6 dB            |

| Electrical Data (frequency related) |                       |          |
|-------------------------------------|-----------------------|----------|
| Frequency range                     | Attenuation deviation | VSWR max |
| 0 GHz to 4 GHz                      | +/- 0.3 dB            | 1.1      |
| 4 GHz to 8 GHz                      | +/- 0.5 dB            | 1.22     |
| 8 GHz to 11 GHz                     | +/- 0.8 dB            | 1.3      |
| 11 GHz to 12.4 GHz                  | +/- 0.8 dB            | 1.4      |

| Electrical Data (power) |                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------|
| Average power           | 2 W at 30 °C ambient temperature. Linearly derated to 0 W at 130 °C ambient temperature. |
| Peak power              | 500 W, 5 μs pulse width, 0.05 % duty cycle                                               |
| Electrical remarks      | Peak voltage max. 160V (50 Ohm)                                                          |

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| Interface and material data |                        |                       |
|-----------------------------|------------------------|-----------------------|
| Interface                   | TNC / plug (male)      |                       |
| <b>Piece parts</b>          | <b>Material</b>        | <b>Plating</b>        |
| Centre contact              | Copper Beryllium Alloy | Gold Plating          |
| Outer conductor             | Brass                  | SUCOPLATE (R) Plating |
| Body                        | Brass                  | SUCOPLATE (R) Plating |
| Insulator                   | PFA / PTFE             |                       |
| Coupling nut                | Brass                  | SUCOPLATE (R) Plating |
| Gasket                      | VMQ (Silicone rubber)  |                       |
| Interface                   | TNC / jack (female)    |                       |
| <b>Piece parts</b>          | <b>Material</b>        | <b>Plating</b>        |
| Centre contact              | Copper Beryllium Alloy | Gold Plating          |
| Outer conductor             | Brass                  | SUCOPLATE (R) Plating |
| Body                        | Brass                  | SUCOPLATE (R) Plating |
| Insulator                   | PFA / PTFE             |                       |

| Mechanical data |          |
|-----------------|----------|
| Weight          | 0.029 kg |

| Environmental data    |                   |
|-----------------------|-------------------|
| Operation temperature | -55 °C ... 130 °C |

| Ordering Information Table |                  |
|----------------------------|------------------|
| Item number                | Item description |
| 22550194                   | 6806.26.A        |

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