

## FCFA1802

### DC~18GHz, 2W

**Features:**

- \* Low VSWR
- \* High Attenuation Flatness

**Applications:**

- \* Wireless
- \* Transmitter
- \* Laboratory Test
- \* Radar

**Electrical**

|                               |                                      |
|-------------------------------|--------------------------------------|
| Frequency:                    | DC~18GHz                             |
| Attenuation:                  | 1~10, 20, 30dB                       |
| VSWR:                         | 1.4 max.                             |
| Impedance:                    | 50Ω                                  |
| Average Power <sup>*1</sup> : | 2W@25°C max.                         |
| Peak Power:                   | 20W (5μS pulse width, 1% duty cycle) |

[1] Derated linearly to 0.2W@125°C.

**Attenuation Accuracy**

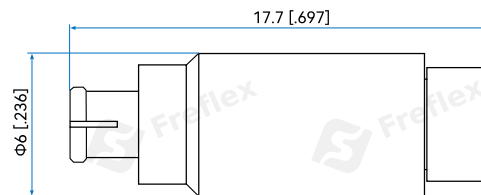
| Frequency (GHz) | Attenuation Accuracy (±dB) vs. Attenuation (dB) |           |           |
|-----------------|---|-----------|-----------|
|                 | 1~10  | 20        | 30        |
| DC~18           | -1.0/+1.0                                       | -1.0/+1.0 | -1.0/+1.0 |

**Mechanical**

|                           |                              |
|---------------------------|------------------------------|
| Size:                     | Φ6*17.7mm<br>Φ0.236*0.697in  |
| Weight:                   | 5g                           |
| RF Connectors:            | SMP                          |
| Outer Conductor (Female): | Gold plated beryllium copper |
| Outer Conductor (Male):   | Passivated Stainless Steel   |
| Dielectric:               | PEI                          |
| Inner Conductor (Female): | Gold plated beryllium copper |
| Inner Conductor (Male):   | Gold plated brass            |

**Environmental**

|                            |            |
|----------------------------|------------|
| Operating Temperature:     | -269~125°C |
| Non-operating Temperature: | -55~125°C  |

**Outline Drawings**


Unit: mm [in]

Tolerance: ±2%

**How To Order**

**FCFA1802-18-X-P**

X: Attenuation in dB

**Examples:**

To order an attenuator, DC~18GHz, SMP male to SMP female, 3dB attenuation, specify FCFA1802-18-3-P.