

**SPECIFICATIONS**

|                        |                              |
|------------------------|------------------------------|
| Frequency Range:       | DC~18 GHz                    |
| Input Avg Power:       | 5W@25°C                      |
| Impedance:             | 50 Ohms                      |
| Attenuation:           | 1-60dB                       |
| VSWR:                  | 1.35 max.                    |
| Connector:             | N-Male and N-Female          |
| Operating Temp.:       | -55°C~+125°C                 |
| Connector Body:        | Stainless Steel              |
| Female Center Contact: | Gold plated beryllium copper |
| Male Center Contact:   | Gold plated brass            |
| Heat Sink:             | N/A                          |
| Dimensions:            | Ø16.5×58 mm                  |
| RoHS Status:           | RoHS Compliant               |

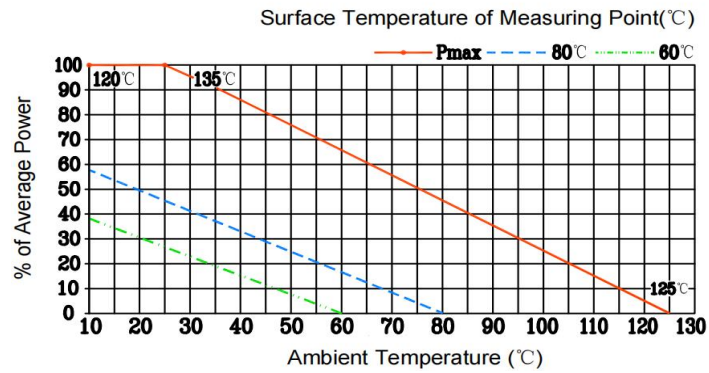
**Maximum Deviation over Frequency**

| Nominal ATTN(dB) | Frequency Range(GHz) |      |         |       |
|------------------|----------------------|------|---------|-------|
|                  | DC~4                 | DC~8 | DC~12.4 | DC~18 |
| 1-10             | ±0.4                 | ±0.5 | ±0.6    | ±0.7  |
| 20               | ±0.5                 | ±0.6 | ±0.7    | ±0.8  |
| 30               | ±0.6                 | ±0.8 | ±0.8    | ±1.0  |
| 40               | ±0.7                 | ±0.8 | ±0.9    | ±1.2  |
| 50               | ±0.7                 | ±0.8 | ±1.0    | ±1.3  |
| 60               | ±0.8                 | ±0.9 | ±1.1    | ±1.3  |
| VSWR(Max.)       | 1.15                 | 1.2  | 1.3     | 1.35  |

**Ordering Information**

|        |   |   |   |   |   |
|--------|---|---|---|---|---|
| TMFA18 | X | N | 5 | - | XX  |
|        |   |   |   |   | XX: Attenuation dB value  |
|        |   |   |   |   | Average Power(W)  |
|        |   |   |   |   | RF Connector<br>(N: N-Male and N-Female)                                      |
|        |   |   |   |   | X: Maximum Frequency(GHz)<br>08: DC~8 GHz<br>12: DC~12.4 GHz<br>18: DC~18 GHz |
|        |   |   |   |   | Titan Microwave Fixed Attenuator  |

**Power/Temp Rating Curve**



**Dimensions [mm]**

