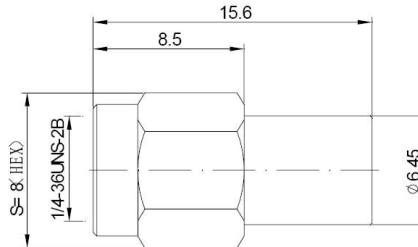


## Coaxial Termination DC-18GHz

### Model SMAFE DC-18GHz- 1Watt Stainless Steel



Coaxial fixed terminations absorb RF& microwave energy and are commonly used as dummy loads of antenna and transmitter. They are also used as match ports in many multiport microwave device such as circulator and directional coupler to make these ports which are not involved in the measurement be terminated in their characteristic impedance in order to ensure an accurate measurement.

ATF serial coaxial fixed termination's average power 2W-10KW, frequency range dc-18GHz and feature wide frequency band, low VSWR, excellent capacity in anti-pulse and anti-burnout.

MECHANICAL SPECIFICATIONS	
CONNECTORS	Stainless Steel Passivated
PIN	Brass Gold Plate
BODY	Brass Gold Plated
INSULATOR	PTFE Virgin Electrical Grade
OPERATING TEMP.	-55° C to +125° C
WEIGHT kg	0.07

RoHS compliant: Yes

### ELECTRICAL SPECIFICATIONS

Model Number	Frequency Range (GHz)	Max VSWR
SMAFE-3	DC-3	1.10
SMAFE-4	DC-4	1.12
SMAFE-6	DC-6	1.15
SMAFE-12.4	DC-12.4	1.25
SMAFE-18	DC-18	1.35

### ELECTRICAL SPECIFICATIONS

NOMINAL IMPEDANCE: 50Ω

AVERAGE POWER: 1W average to 25°C ambient temperature, derated linearly to 0.2W @ 125°C.

PEAK POWER: 0.25KW (5μs pulse width with 0.8% duty cycle)

CONNECTOR TYPE: SMA(M)

#### Notes:

1. Dimensions Tolerance  $\pm 2\%$
2. Dimensions and specifications refer to connector type SMA unless otherwise specified.
3. Custom designs available.