

Model M1406A & M1408

Subminiature, Ruggedized SMA Connectors

DC to 18 GHz
2 Watts

 **RoHS**



TEMPERATURE RANGE: -54°C to +100°C

TEST DATA: Swept data plots of SWR from 50 MHz to 18 GHz is available at additional cost.

CONNECTOR: SMA connector per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connector. Male connector.

CONSTRUCTION: Gold plated beryllium copper contacts with passivated stainless steel.

Features

Model M1408 is a general purpose subminiature termination that operate in the frequency range of DC to 18 GHz but are usable to 26.5 GHz.

- /// **Low SWR** - Model 1406A has low VSWR across its operating range (typical SWR is less than specified). Model M1408 has ultra-low SWR to 18 GHz (usable to 26.5 GHz).
- /// **Subminiature Size and Lightweight** - All models are approximately 0.5 inches long, and weigh less than 3 grams with male connector.
- /// **Rugged Construction.**

Specifications

NOMINAL IMPEDANCE: 50 Ω

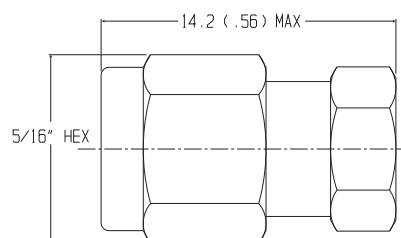
FREQUENCY RANGE: DC to 18.0 GHz

POWER RATING: 2 Watts average @ 25 C ambient temperature derated linearly to 0.2 watt @ 100°C. 500 watts peak (5 μsec pulse width; 0.2% duty cycle).

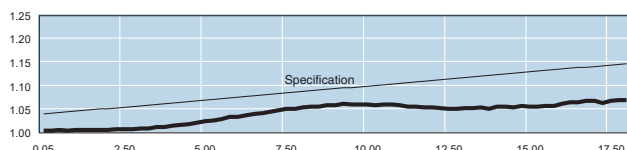
WEIGHT: Male Connector: 2.8 g (0.1 oz)

Physical Dimensions:

M1406A/M1408:



MAXIMUM SWR:	
Model	SWR
M1406A	1.05 + 0.009f (GHz)
M1408	1.04 + 0.006f (GHz)



Typical M1408 SWR Performance

NOTE: All dimensions are given in mm (inches) and are maximum, unless otherwise specified.