

DC Blocks



Model 7006-1 Inside DC Block

9 kHz to 20.0 GHz

Rugged SMA Connectors



Features

Aeroflex / Weinschel Inside dc Block contains capacitance in-series with the center conductor to prevent the flow of dc current, while permitting RF power to flow without interruption.

- /// **Low SWR** - Maximum SWR remains low through full frequency and power range.
- /// **Rugged Construction** - Aeroflex / Weinschel semi-precision SMA stainless steel connectors. Molded captive inner contact/bead assembly provides controlled and stable interface dimensions.

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: 9 kHz to 20 GHz

| MAXIMUM SWR: | |
|-----------------|--------|
| Frequency (GHz) | 7006-1 |
| 9 - 10 kHz | 1.50 |
| 11 - 20 kHz | 1.50 |
| 20 kHz - 20.0 | 1.30 |

* Source & load SWR of test system is <1.2.

INSERTION LOSS: 0.8 dB maximum*

VOLTAGE RATING: +50 Vdc maximum

POWER RATING: 20 Watts (average), 100 Watts (peak)

TEMPERATURE RANGE: -20 °C to +80 °C (operating)
-20 °C to +100 °C (storage)

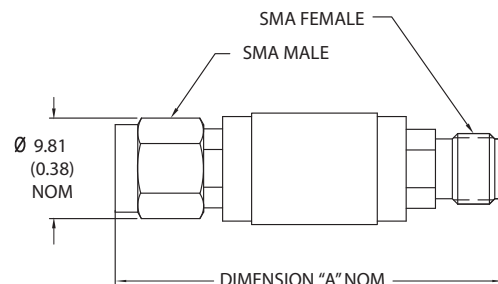
TEST DATA: Test data is available at additional cost.

CONNECTORS: SMA connectors per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connectors. Standard unit has one male and one female connector. Add Prefix M for double male and F for double female connectors.

CONSTRUCTION: Stainless steel body and connectors; gold plated beryllium copper contacts

WEIGHT: Net:: 4 g (0.14 oz)

PHYSICAL DIMENSIONS:



| Model # | DIM A | Connector Type |
|---------|--------------|----------------|
| 7006-1 | 37.34 (1.47) | male-female |
| F7006-1 | 34.54 (1.36) | female-female |
| M7006-1 | 36.07 (1.42) | male-male |

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

SCHEMATIC DIAGRAM:

