DC Blocks

Model 7006-1
Inside DC Block

9 kHz to 20.0 GHz

Rugged SMA Connectors

RoHS



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)

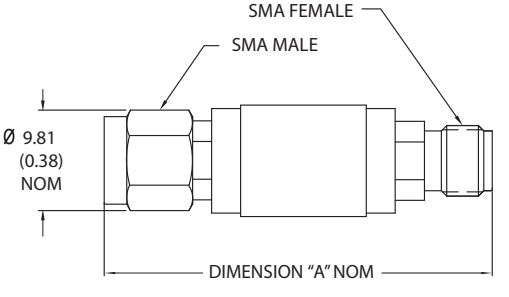
TEST DATA: Test data is available at additional cost.

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)

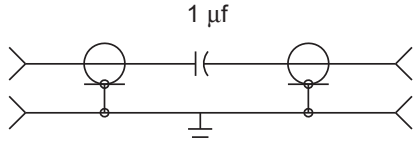
PHYSICAL DIMENSIONS:



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:



5305 Spectrum Drive, Frederick, MD 21703-7362 • TEL: 301-846-9222, 800-638-2048 • Fax: 301-846-9116
web: www.weinschel.apitech.com • email: weinschel-sales@apitech.com

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