

# 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)

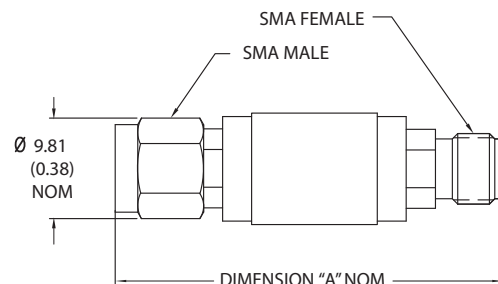
**TEST DATA:** Test data is available at additional cost.

**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:

