

Model 7006 Inside DC Block

9 kHz to 26.5 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 Type N and 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 26.5 GHz

MAXIMUM SWR:	
Frequency (GHz)	7006*
9 - 10 kHz	1.45
11 - 20 kHz	1.35
20 kHz - 18	1.35
18 - 26.5	1.70

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

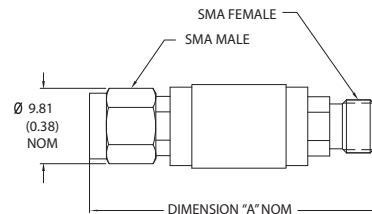
INSERTION LOSS: 0.8 dB maximum*
VOLTAGE RATING: +50 Vdc maximum
POWER RATING: 2 Watts (average), 100 Watts (peak)
TEMPERATURE RANGE: -20 °C to +80 °C (operating)
 -20 °C to +100 °C (storage)
TEST DATA: Test data is available at additional cost.

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: Model 7003: Net: 67 g (2.4 oz)
 Model 7006, 7006-1: Net:: 4 g (0.14 oz)

PHYSICAL DIMENSIONS:



Model #	DIM A	Connector Type
7006	36.32 (1.43)	male-female
F7006	33.53 (1.32)	female-female
M7006	35.05 (1.38)	male-male

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

SCHEMATIC DIAGRAM:

