Model 7003
Inside DC Block

Type N 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 Type N stainless steel connectors. Molded captive inner contact/bead assembly provides controlled and stable interface dimensions.
- **Model 7003 useable to 22 GHz.**

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: 9 kHz to 18.6 GHz

MAXIMUM SWR:	
Frequency (GHz)	SWR*
9 - 20 kHz	1.50
20 kHz - 18	1.35

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

INSERTION LOSS: 0.9 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)

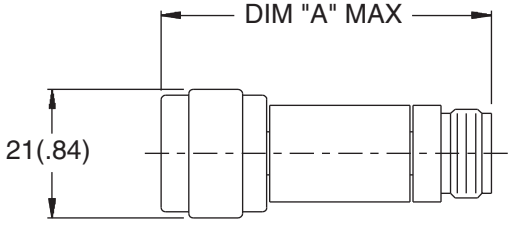
TEST DATA: Test data is available at additional cost.

CONNECTORS: Type N 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: 67 g (2.4 oz)

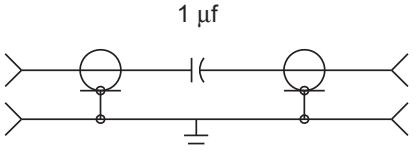
PHYSICAL DIMENSIONS:



Model #	DIM A	Connector Type
7003	54.61 (2.15)	male-female
F7003	50.80 (2.00)	female-female
M7003	58.67 (2.31)	male-male

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

SCHEMATIC DIAGRAM:



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