

# DC Blocks



## Model 7012 Inside/Outside DC Block

500 MHz to 8.6 GHz

Rugged SMA Connectors



### Features

Aeroflex / Weinschel Inside/Outside 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.

### Specifications

**NOMINAL IMPEDANCE:** 50 Ω  
**FREQUENCY RANGE:** 500 MHz to 8.6 GHz

MAXIMUM SWR:	
Frequency (GHz)	SWR
500 MHz - 8.6 GHz	1.25

INSERTION LOSS (dB maximum):	
Frequency (GHz)	Loss
500 MHz - 8.6 GHz	0.4

**BREAKDOWN VOLTAGE:** + 200 Vdc between any of the four connectors

**DC RESISTANCE:** 20 MΩ minimum between any four connectors

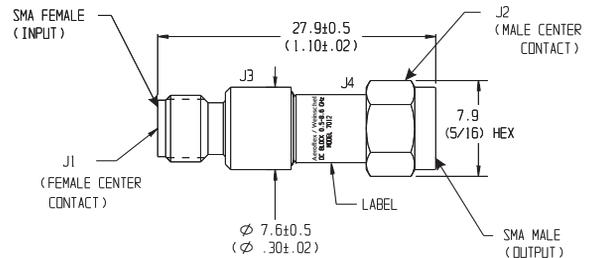
**POWER RATING:** 10 Watts peak or CW

**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.

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

**WEIGHT:** Net: 4.6 g (0.16 oz)

### PHYSICAL DIMENSIONS:



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

### SCHEMATIC DIAGRAM:

