SMA DC Block, 10 MHz–18 GHz, Inner Conductor, 50 V

Inner-conductor DC block, SMA male to SMA female, ≤ 0.7 dB insertion loss



Overview

An inline DC block that breaks the centre conductor with a series capacitor, so RF from 10 MHz to 18 GHz passes while DC up to 50 V is blocked. Use it to protect an instrument input from a DC bias on the line.

Applications

- Protecting analyzer and VNA ports from DC bias
- Isolating a biased amplifier or LNA output

Specifications

Frequency	10 MHz–18 GHz
Block type	Inner conductor
DC voltage, max	50 V
Insertion loss	≤ 0.7 dB
VSWR	< 1.35
RF input power, max	2 W
Impedance	50 Ω
Connectors	SMA male to SMA female
Length	22 ± 1 mm
Body	Stainless steel, passivated; contacts beryllium copper, gold plated
Weight	4.2 g
Mating cycles	≥ 500
Operating temperature	−55 °C to +85 °C
RoHS	Yes

Values are typical or maximum figures stated in the manufacturer's datasheet, not a Kymopsis lab report. Ask us for the manufacturer's test data where one exists.

Passive RF component for laboratory, development and integration use. It does not transmit on its own and carries no FCC, CE or other equipment certification claim.

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