

Withwave's Broadband DC Block is composed of extremely broadband, coaxial blocking capacitors. It has flat frequency response and low frequency cutoffs as low as 20 kHz. It isolates the DC components of waveforms while minimizing loss and group delay ripple. This unit is suitable for high speed & optical communication where test and measurement and high speed data.



■ Features

- 20 kHz to 40 GHz
- Low Insertion loss : < 1.3 dB @ 40 GHz
- Ultra broadband

■ Specification

Scope	Items	Part No: DC03-02
Electrical	Freq. range	20 kHz to 40 GHz
	Capacitance	100 nF
	Impedance	50 Ohm
	DC Voltage (Max)	16 V DC
	Insertion loss	<1.3 dB @ 40 GHz
	VSWR (Max)	1.40 : 1
	Delay	110 ps
Mechanical	Connector type	2.92 mm (Female)
	Block Body	Aluminum
	Size	29.1 X 12 X 10 (mm) : including connectors

■ Application

- Broadband test equipment
- Broadband microwave/millimeter wave
- High speed data

Test Result

Insertion & Return Loss (10 MHz to 40 GHz)

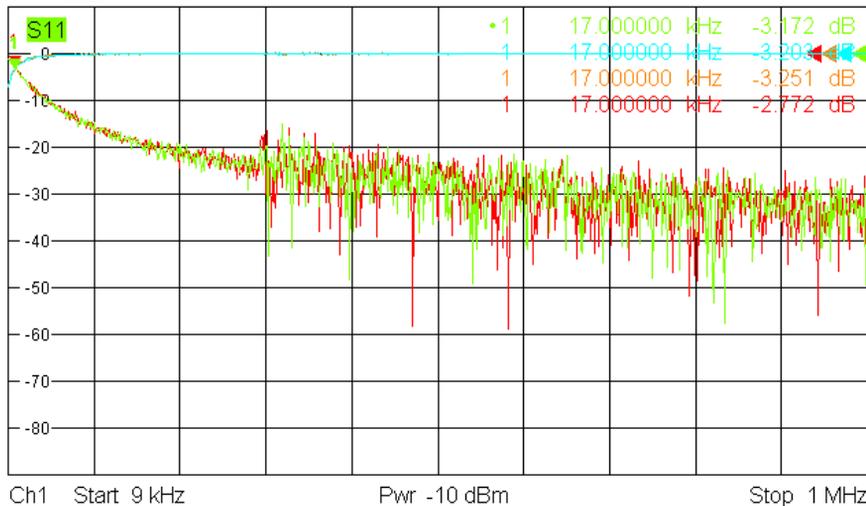


Insertion & Return loss (9 kHz to 1 MHz)



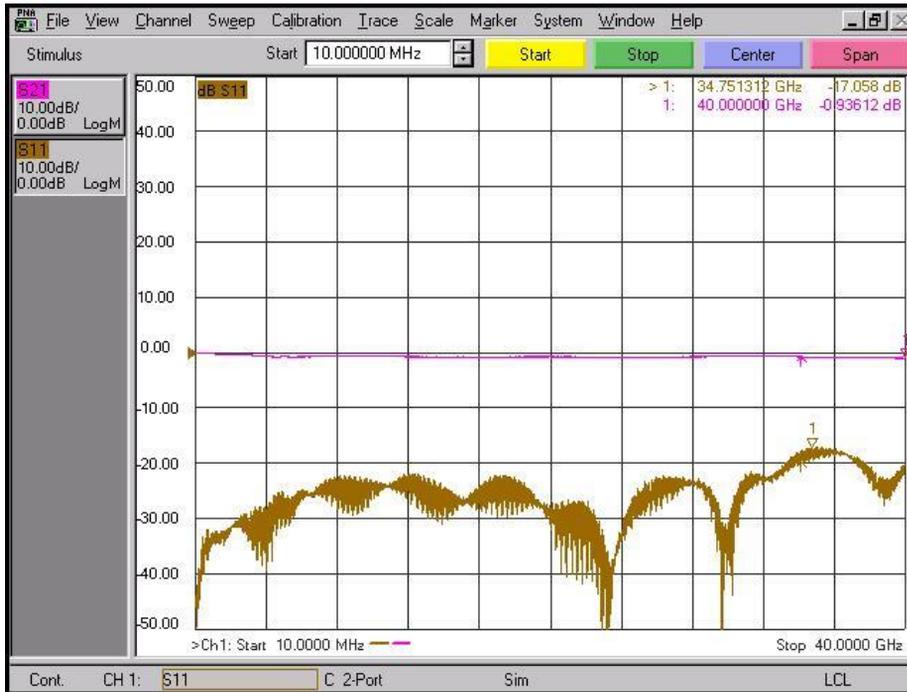
Trc1 S11 dB Mag 10 dB / Ref 0 dB Cal
Trc2 S21 dB Mag 10 dB / Ref 0 dB Cal
Trc3 S12 dB Mag 10 dB / Ref 0 dB Cal
Trc4 S22 dB Mag 10 dB / Ref 0 dB Cal

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■ Test Result

Group Delay



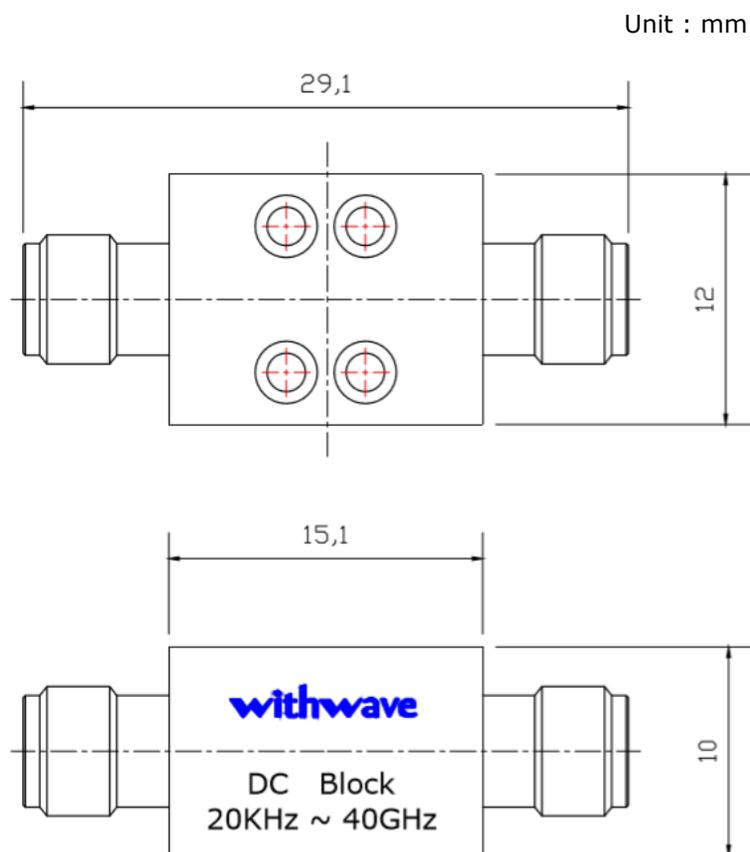
Broadband DC Block

20 kHz to 40 GHz

withwave

Versatile RF & MW Test Solutions

■ Drawing



Data sheet Notes :

1. Specifications are subject to change without notice. Contact withwave website(www.with-wave.com) for the most recent datasheets.