

Keysight DC Blocks

The Keysight Technologies, Inc. DC blocks offer a new level of DC blocking with performance specified from 50 kHz all the way up to 67 GHz. Precision coaxial connector interfaces ensure an excellent impedance match across wide bandwidths and come in a variety of RF connectors to fit your application needs. Two choices of DC Voltage ratings make these suitable for a wide range of applications.



N9398C

N9399C

N9398F

N9399F

N9398G

Key features

- Maximize your operating frequency range from 50 kHz up to 67 GHz
- Improve calibration accuracy with exceptional return loss > 15 dB at 67 GHz
- Maximum available power with < 0.9 dB insertion loss
- 2 choices of DC voltage rating (16 V and 50 V) for a wide range of applications

Product specifications

Model	Frequency range	Insertion loss	Return loss	Rise time	Group delay	Max DC working voltage	Connector type
N9398C	50 kHz to 26.5 GHz	0.9 dB	10 dB (50 to 300 kHz) 17 dB (300 kHz to 26.5 GHz)	3 ps (typical)	118 ps (typical)	16 V	3.5 mm (m-f)
N9399C	700 kHz to 26.5 GHz	1.2 dB	10 dB (700 kHz to 2 MHz) 17 dB (2 MHz to 26.5 GHz)	3 ps (typical)	118 ps (typical)	50 V	3.5 mm (m-f)
N9398F	50 kHz to 50 GHz	0.9 dB (50 kHz to 26.5 GHz) 1.0 dB (26.5 to 50 GHz)	10 dB (50 to 300 kHz) 15 dB (300 kHz to 50 GHz)	2 ps (typical)	78 ps (typical)	16 V	2.4 mm (m-f)
N9399F	700 kHz to 50 GHz	1.2 dB	10 dB (700 kHz to 2 MHz) 15 dB (2 MHz to 50 GHz)	2 ps (typical)	78 ps (typical)	50 V	2.4 mm (m-f)
N9398G	700 kHz to 67 GHz	0.9 dB (50 kHz to 26.5 GHz) 1.0 dB (26.5 to 67 GHz)	10 dB (700 kHz to 2 MHz) 15 dB (2 MHz to 67 GHz)	2 ps (typical)	76 ps (typical)	16 V	1.85 mm (m-f)
11742A	45 MHz to 26.5 GHz	1.2 dB	26 dB (45 MHz to 8 GHz) 24 dB (8 GHz to 12.4 GHz) 19 dB (12.4 GHz to 26.5 GHz)	-	-	50 V	3.5 mm (m-f)

For more detail information on “Keysight DC Block”, please refer to product literature number 5989-4544EN.

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