

Keysight Technologies

N9355/6 Power Limiters

N9355/6B 10 MHz to 18 GHz power limiter
 N9355/6C 10 MHz to 26.5 GHz power limiter
 N9355F 10 MHz to 50 GHz power limiter



Protect your investment from excess RF power, DC transients and ESD damage with Keysight's broadband power limiters.

N9355/6 Key Specifications and Features

- Protect your investment from excess RF power, DC transients and ESD damage with Keysight Technologies Inc. broadband power limiters
- Maximize your operating frequency range from 10 MHz to 50 GHz
- Minimize your measurement uncertainty and improve your measurement accuracy with superior RF performance
- Select from two limiting threshold models of 10 dBm or 25 dBm to meet your specific application needs

The Keysight N9355/6 Series of high performance power limiters are designed for high volume manufacturers and R&D sectors in telecommunications, component test, and aerospace/ defense industries. Keysight's power limiters provide the best broadband input protection from excess RF power, DC transients and ESD, for a variety of RF and microwave instruments and components, like spectrum analyzers, network analyzers, and amplifiers.

Keysight limiters also include a DC block integrated into both input and output ports that will block signals below 10 MHz and pass signals up to 50 GHz.

Specifications

Power limiter	N9355B	N9356B	N9355C	N9355F	N9355F
Frequency range	0.01 to 18 GHz	0.01 to 18 GHz	0.01 to 26.5 GHz	0.01 to 26.5 GHz	0.01 to 50 GHz
Frequency response					
Insertion loss	< 1.75 dB	< 1.75 dB	< 2 dB	< 2.25 dB	< 2.75 dB
Return loss ¹ (VSWR)	> 15 dB (1.43)	> 15 dB (1.43)	> 15 dB (1.43)	> 15 dB (1.43)	> 10 dB (1.92)
Impedance 50 Ω nominal	50 Ω nominal		50 Ω nominal	50 Ω nominal	50 Ω nominal
Max. input power	1W	6W	1W	4W	0.63W
Limiting threshold	10 dBm typical	25 dBm typical	10 dBm typical	25 dBm typical	10 dBm typical
Max. leakage power ²	24 dBm	27 dBm	24 dBm	27 dBm	24 dBm
Max. DC voltage					
@ 25 °C	30 V	30 V	30 V	30 V	30 V
@ 85 °C	16 V	16 V	16 V	16 V	16 V
Turn on time	< 100 ps				
Connectors	Type-N	Type-N	3.5 mm	3.5 mm	2.4 mm

1. Return loss specification at 10 M to 30 MHz is 8.5 dB (VSWR: 2.2).
 2. At maximum continuous input power