

Product Datasheet - Technical Specifications



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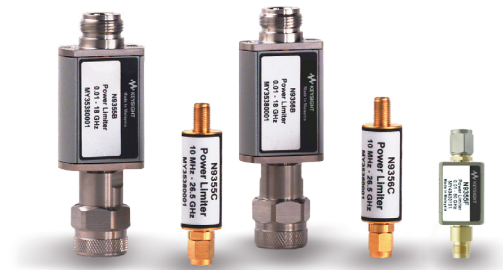
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Keysight Technologies

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