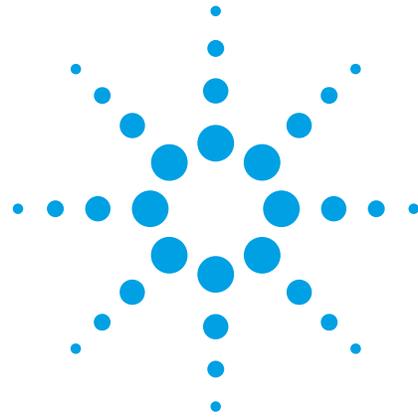


# Agilent N9355/6 Power Limiters

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



## N9355/6 Key Specifications & Features

- Protect your investment from excess RF power, DC transients and ESD damage with Agilent's 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



Agilent Technologies

The Agilent N9355/6 Series<sup>1</sup> of high performance power limiters are designed for high volume manufacturers and R&D sectors in telecommunications, component test, and aerospace/defense industries. Agilent'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.

Agilent 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.



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

## Specifications (preliminary)<sup>2</sup>

Power limiter	N9355B	N9356B	N9355C	N9356C	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 <sup>3</sup> (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
Max. input power	1W	6W	1W	4W	1 W
Limiting threshold	10 dBm typical	25 dBm typical	10 dBm typical	25 dBm typical	10 dBm typical
Max. leakage power <sup>4</sup>	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. N9355A/C and N9356A/C are expected to be available Winter 2005. N9355F is expected to be available Spring 2006.
2. Specifications subject to change.
3. Return loss specification at 10 M to 30 MHz is 8.5 dB (VSWR: 2.2).
4. At maximum continuous input power

**Web Resource** <http://www.agilent.com/find/mta>



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Product specifications and descriptions in this document subject to change without notice.

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