

Save 50% on Power Limiter Protection for Your E5080B ENA

Add ESD-Grade Protection at the Test Port and Keep Your High-Frequency Bench in Service



Maximize Your E5080B Uptime with Power Limiter Protection

The **E5080B ENA Vector Network Analyzer** reaches 53 GHz, where every microvolt of measurement headroom matters. A power limiter at the test port is standard best practice on a high-frequency bench. It absorbs stray Electrostatic Discharge (ESD) and transient energy caused by cable swaps, fixturing changes, or accidental contact, and helps to keep the receiver path clean.

Built into the bench from day one, the power limiter keeps the analyzer in service through every measurement cycle. The platform you rely on stays available for advanced packaging, PCB stackup, and 224G/448G interconnect characterization.

50% Off the Power Limiter When Bundled with Your E5080B

Start date: **May 2026**

End date: **December 2026**

Availability: Worldwide

When your E5080B order includes an N9356C or N9355G power limiter, get 50% off through the bundle program. Each request goes through a short technical review at quote time.

Ask your Keysight account representative to qualify the configuration; the bundled pricing is then confirmed on your purchase order.

Preserve TDR Measurement Accuracy

Install an N9356C or N9355G power limiter on the affected ports. The limiter sits between the Device Under Test (DUT) and the receiver, acting as a sacrificial protection barrier. When a transient occurs, the limiter clamps the energy in, under a nanosecond, before it can reach the receiver. You then calibrate at the limiter output using the N4694D Electronic Calibration (ECal) module with Option ODC, allowing the analyzer to treat the limiter as part of the measurement plane.

The Time Domain Reflectometry (TDR) measurement quality you already trust is preserved:

- ESD immunity to IEC 61000-4-2 Level 3, ± 6 kV contact discharge.
- Sub-nanosecond clamping of high-voltage transients.
- TDR spatial resolution better than 1 mm after calibration.
- Return loss and time-domain responses that correlate to an unprotected reference setup.

How the 50% Bundle Qualifies on Your Quote

To qualify, a complete bundle quote must include **BOTH** items on the **same** purchase order:

- One (1) E5080B ENA Vector Network Analyzer
- One (1) compatible power limiter (N9356C or N9355G)

Your local Keysight team then applies the 50% power limiter discount at quote time. While ECal and TDR software are recommended for full measurement capability, they are not required to qualify for the bundle. Each request goes through a brief technical review before final pricing is issued.

Required for the Bundle

Model	Function	Description
E5080B ENA Vector Network Analyzer (4-port) 	High-frequency signal-integrity platform	• 9 kHz to 53 GHz
Power Limiter N9356C or N9355G 	Sacrificial ESD barrier at the test port	• 10 MHz to 26.5 GHz (N9356C) or 10 MHz to 54 GHz (N9355G)

Recommended Companions

Model	Function	Frequency
S96011B Enhanced TDR application	Time-domain reflectometry analysis on the E5080B	N/A
N4694D ECal with Option 0DC	Calibrate the limiter at the measurement plane	DC to 67 GHz



Power Limiter Performance Specifications

Parameter	N9356C	N9355G
Frequency range	10 MHz to 26.5 GHz	10 MHz to 54 GHz
ESD immunity	IEC 61000-4-2 Level 3, ± 6 kV contact	IEC 61000-4-2 Level 3, ± 6 kV contact
Limiting response	< 1 ns	< 1 ns
Calibration plane	N4694D ECal, Option 0DC, at limiter output	N4694D ECal, Option 0DC, at limiter output
Preserved TDR resolution	< 1 mm post-calibration	< 1 mm post-calibration
Connectors	3.5 mm (M-F)	1.85 mm (M-F)

Get Your Quote

Contact your Keysight representative or visit [keysight.com/find/E5080B](https://www.keysight.com/find/E5080B) to configure your protected bundle. A short application review confirms the appropriate limiter for your frequency band and fixturing, after which your local team will then apply the bundled pricing to your quote.

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.



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