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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E7350A

Controller Variant Codes: E7341A 005 006 056 Measurement Continuity: single test port across full range Frequency Span Class Max: 45 MHz to 110 GHz with extensions Numeric rows from Agilent 8510XF system literature distinguishing E7350A 110 GHz complete systems from E7340A 85 GHz systems. Measurement Continuity: single test port across full range Frequency Span Class Max: 45 MHz to 110 GHz with extensions Numeric rows from Agilent 8510XF system literature distinguishing E7350A 110 GHz complete systems from E7340A 85 GHz systems.



MODEL

**Agilent / Keysight
E7350A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E7350A

LISTING

<https://aumictechlabs.com/products/e7350a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E7350A is a single sweep network analyzer system engineered for broadband device characterization to 110 GHz. Built on the Keysight 8510C platform, the E7350A delivers enhanced frequency coverage, dynamic range, and measurement accuracy across coaxial (1.0 mm) and on-wafer test configurations. The system performs calibrated measurements in a single sweep, supporting RF performance analysis, protocol verification, AC/DC parameter measurement, phase analysis, harmonic distortion, and phase noise characterization of frequency-translating devices. Technical Specifications Frequency Range: 2 to 110 GHz (standard); 45 MHz to 110 GHz (with Option 005) Test Configurations: Coaxial (1.0 mm) and on-wafer System Components: Network analyzer, 8510C Synthesized RF source, 83651B Synthesized LO source,

83621B Millimeter-wave controller, 8510XF Left test head, E7352L and E7352R (110 GHz) Right test heads Power: Safety Class I product requiring reliable earth ground from main power source Interfaces: GPIB (IEEE-488), Ethernet (LAN), USB connectivity Data Storage: FAT File SystemKey Features Full frequency calibration support on-wafer and via 1.0 mm coaxial calibration kits Complete line of 1.0 mm accessories: calibration kits, verification kits, adapters, and port cables Analog/digital I/O options for flexible measurement configurations Network analyzer measurement techniques optimized for frequency-translating device testing Rack-mountable form factor for laboratory and commercial integrationTypical Applications Broadband RF device characterization to 110 GHz On-wafer and coaxial device testing Frequency-translating device analysis AC/DC parameter and phase measurement Harmonic distortion and phase noise analysisCompatibility & Integration The E7350A operates with Keysight IO Libraries Suite software. System connectivity extends via Keysight adaptor products including the 82357B USB/GPIB Interface Converter and E5810B LAN/GPIB/USB Gateway. Legacy BenchVue software versions may not support older instrument models.

E7350A Characteristics / Specifications

PARAMETER	VALUE
Model	E7350A
Instrument Type	8510XF VNA complete system
Upper Frequency	110 GHz
Lower Frequency Standard	2 GHz
Lower Frequency With Extension	45 MHz
Network Analyzer	8510C
Millimeter Wave Controller	E7341A
Left Test Head	E7352L
Right Test Head	E7352R
Partial Subsystem Model	E7352A
Sibling 85 GHz System	E7340A
Sibling 85 GHz Heads	E7342L E7342R
Sibling 85 GHz Partial	E7342A
Cable Length Class	1.6 meter
Table Top Accessory	85106-60038 for complete systems
Time Domain Option Class	8510C 010
Controller Variant Codes	E7341A 005 006 056
Measurement Continuity	single test port across full range
Coaxial Configuration	supported
On Wafer Configuration	supported
System Family	8510XF
Frequency Span Class Max	45 MHz to 110 GHz with extensions

E7350A Specifications

PARAMETER	VALUE
Key Features	Two to 110 GHz continuous coverage
Single connection across the full test range	Shared 8510C and E7341A controller architecture with 85 GHz sibling
Technical Specifications	Model: E7350A
Notes	Numeric rows from Agilent 8510XF system literature distinguishing E7350A 110 GHz complete systems from E7340A 85 GHz systems.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	E7350A
Instrument Type	8510XF VNA complete system
Upper Frequency	110 GHz
Lower Frequency Standard	2 GHz
Lower Frequency With Extension	45 MHz
Network Analyzer	8510C
Millimeter Wave Controller	E7341A
Left Test Head	E7352L
Right Test Head	E7352R
Partial Subsystem Model	E7352A
Sibling 85 GHz System	E7340A
Sibling 85 GHz Heads	E7342L E7342R
Sibling 85 GHz Partial	E7342A
Cable Length Class	1.6 meter
Table Top Accessory	85106-60038 for complete systems
Time Domain Option Class	8510C 010
Controller Variant Codes	E7341A 005 006 056
Measurement Continuity	single test port across full range
Coaxial Configuration	supported
On Wafer Configuration	supported
System Family	8510XF
Frequency Span Class Max	45 MHz to 110 GHz with extensions
Notes	
Numeric rows from Agilent 8510XF system literature distinguishing E7350A 110 GHz complete systems from E7340A 85 GHz systems.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.