

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E7340A

Measurement Mode Coaxial: supported full band Measurement Mode On Wafer: supported with probe station Frequency Continuity: no make break required across band Numeric rows from Agilent 8510XF installation/system literature describing E7340A 85 GHz complete systems and related subsystem model numbers. Measurement Mode On Wafer: supported with probe station Frequency Continuity: no make break required across band Numeric rows from Agilent 8510XF installation/system literature describing E7340A 85 GHz complete systems and related subsystem model numbers.



MODEL

**Agilent / Keysight
E7340A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E7340A

LISTING

<https://aumictechlabs.com/products/e7340a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E7340A is a component within the 8510XF Single Sweep Network Analyzer System, engineered for broadband device measurement across coaxial and on-wafer configurations. This subsystem delivers fully calibrated single-sweep measurements, enabling rapid characterization of RF and microwave components over an extended frequency range. Technical Specifications The E7340A operates within the 8510XF system across a frequency range of 45 MHz to 85 GHz. The system provides fully calibrated measurements in a single sweep, eliminating the need for multi-sweep acquisition cycles. Both coaxial and on-wafer test configurations are supported. Key Features Operates within 45 MHz to 85 GHz frequency

band Single-sweep calibrated measurement capability Supports coaxial and on-wafer device testing Component of proven 8510XF analyzer platform Broadband device characterization Typical Applications The E7340A serves applications demanding broadband RF and microwave characterization: Component testing and verification RF and microwave device characterization On-wafer measurements for integrated circuits Broadband signal analysis Compatibility & Integration The E7340A functions as a subsystem module within the 8510XF Single Sweep Network Analyzer System. Integration includes connection to the system control unit and RF measurement components. System documentation, including service manuals, installation procedures, operation guides, performance verification protocols, maintenance procedures, and parts lists, is available for the complete 8510XF configuration. Note: This product is obsolete.

E7340A Characteristics / Specifications

PARAMETER	VALUE
Model	E7340A
Instrument Type	8510XF VNA complete system
Upper Frequency	85 GHz
Lower Frequency Standard	2 GHz
Lower Frequency With Extension	45 MHz
Network Analyzer	8510C
Synthesized Source Class	83651B class in system
Millimeter Wave Controller	E7341A
Left Test Head	E7342L
Right Test Head	E7342R
Partial Subsystem Model	E7342A
Cable Length Class	1.6 meter
Table Top Accessory	85106-60038 1 meter table top
Time Domain Analyzer Option Class	8510C 010
Controller Options Class	E7341A 005 006 056
Measurement Mode Coaxial	supported full band
Measurement Mode On Wafer	supported with probe station
Frequency Continuity	no make break required across band
Sibling 110 GHz System	E7350A
Sibling 110 GHz Heads	E7352L E7352R
Sibling 110 GHz Partial	E7352A
System Family	8510XF

E7340A Specifications

PARAMETER	VALUE
Applications	Broadband coaxial and on-wafer millimeter-wave S-parameter characterization without reconnecting bands to complete a sweep.
Key Features	Two to 85 GHz continuous coaxial coverage
Technical Specifications	Model: E7340A

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	E7340A
Instrument Type	8510XF VNA complete system
Upper Frequency	85 GHz
Lower Frequency Standard	2 GHz
Lower Frequency With Extension	45 MHz
Network Analyzer	8510C
Synthesized Source Class	83651B class in system
Millimeter Wave Controller	E7341A
Left Test Head	E7342L
Right Test Head	E7342R
Partial Subsystem Model	E7342A
Cable Length Class	1.6 meter
Table Top Accessory	85106-60038 1 meter table top
Time Domain Analyzer Option Class	8510C 010
Controller Options Class	E7341A 005 006 056
Measurement Mode Coaxial	supported full band
Measurement Mode On Wafer	supported with probe station
Frequency Continuity	no make break required across band
Sibling 110 GHz System	E7350A
Sibling 110 GHz Heads	E7352L E7352R
Sibling 110 GHz Partial	E7352A
System Family	8510XF
Notes	
Numeric rows from Agilent 8510XF installation/system literature describing E7340A 85 GHz complete systems and related subsystem model numbers.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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