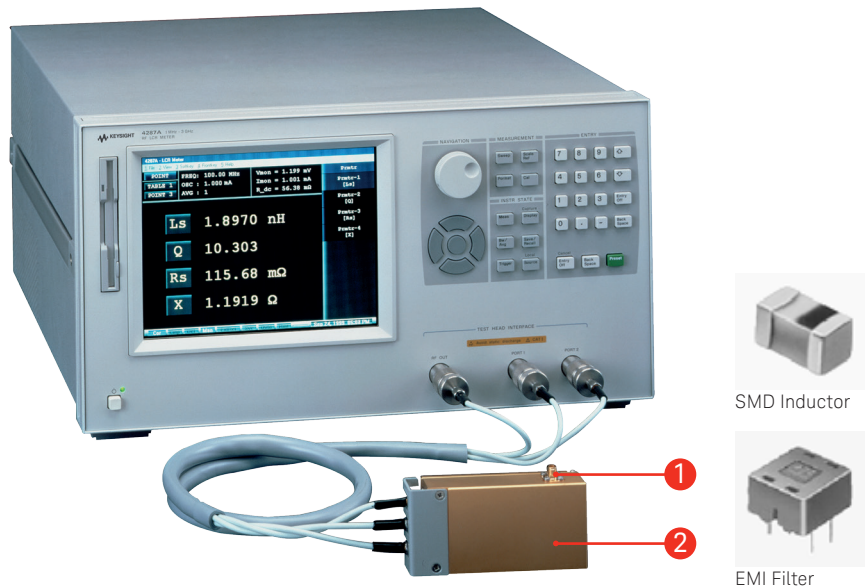


Keysight 4287A RF LCR Meter

Frequency ranges: 1 MHz to 3 GHz

A de-facto Standard for RF Inductor (L) Production Tests

The Keysight Technologies, Inc. 4287A is a high performance RF LCR meter best fit to production line testing of devices such as SMD inductors and EMI filters, where impedance testing at high frequencies is required.

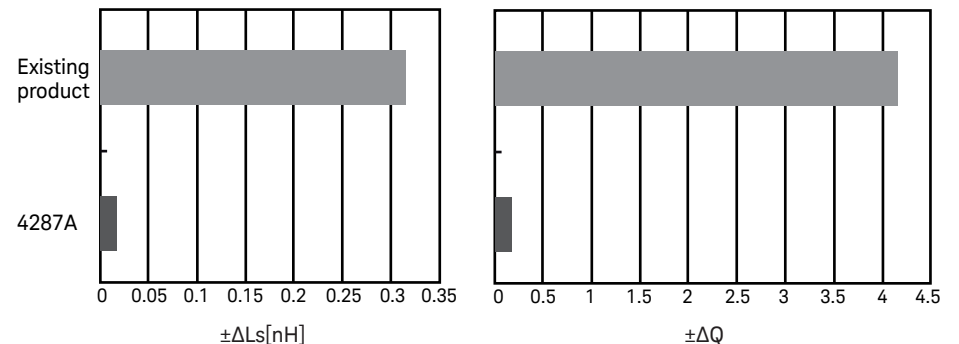


1. Small test head
2. 3.5 mm (female) test port

Key features

1. Accurate, reliable and fast measurements
 - 11 parameters: $|Z|$, $|Y|$, L, C, R, X, G, B, D, Q, θ
 - Measurement range from $0.2 \text{ }\Omega$ to $3 \text{ k}\Omega$ (within 10 % accuracy)
 - 1 % basic accuracy
 - Measurement time: 9 msec per point (max. speed)
 - Superior measurement repeatability at low test signal level with high speed
 - Sophisticated calibration/compensation method with calibration wizard function
2. Versatile measurement functions
 - Simultaneous 4-parameter display
 - List sweep up to 256 frequency points (= 32 points max./table x 8 table max.)
 - Statistical analysis function
3. System integration capability
 - GPIB, Handler and LAN Interface
 - Cable extension and small test head
 - Multi-function comparator
 - Contact check using DCR measurement function

Stability comparison at low signal level



Models

Model	Description
4287A	RF LCR Meter, 1 MHz to 3 GHz

Options

Model	Description
4287A-004	Working standard set
4287A-020	Test fixture extension cable set
4287A-700	16195B calibration kit
4287A-710	Test fixture stand
4287A-720	3.5 mm to 7 mm adapter
4287A-810	Keyboard, PS/2
4287A-820	Mouse, PS/2
4287A-ABA	U.S. – English localization
4287A-ABJ	Japan – Japanese localization
4287A-1A7	17025 compliant calibration
4287A-A6J	ANSI Z540 compliant calibration

For more details on the option configuration, refer to the configuration guide 5989-8061EN.

Upgrade options

Refer to the configuration guide 5989-8061EN for the upgrades.

Application support literatures

Literature	Publication number
Impedance Measurement Handbook - 4th Edition - Application Note	5950-3000

For additional literature and product information, refer to the following literatures

Literature	Publication number
4287A RF LCR Meter - 1 MHz - 3 GHz - Technical Overview	5968-5443E
4287A RF LCR Meter 1 MHz - 3 GHz - Data Sheet	5968-5758E
4287A RF LCR Meter, 1 MHz to 3 GHz - Configuration Guide	5989-8061EN

Recommended accessories

DUT	Fixture type	Model	Description
Lead	Axial/radial	16092A	≤ 500 MHz
		16194A	≤ 2 GHz, -55 to $+200$ °C
SMD/chip	SMD/chip	16092A	$\geq 1.6 \times 0.8$ (mm), ≤ 500 MHz
		16192A	$\geq 1.0 \times 0.5$ (mm), ≤ 2 GHz
		16196A/B/C/D	1608 (A), 1005 (B), 0603 (C), 0402 (D) in mm code, ≤ 3 GHz
		16194A	≤ 2 GHz, -55 to $+200$ °C
		16197A	$\geq 0.6 \times 0.3$ (mm), ≤ 3 GHz
	External DC bias	16200B	0 to ± 40 V, ± 5 A, ≤ 1 GHz

For other accessories, refer to the configuration guide 5989-8061EN.

www.keysight.com/find/lcrmeters

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