

KEYSIGHT TECHNOLOGIES (AGILENT HP)

16380A

The Keysight 16380A is a precision 4-terminal pair standard capacitor set consisting of four high-stability standard capacitors ranging from 1 pF to 1000 pF. It is primarily used for calibration and performance verification of LCR meters and impedance analyzers.

SPECIFICATIONS

General

Interfaces	None (passive standard)
Included Accessories	Carrying case

Physical

Power Supply	None (passive device)
Operating Temperature	0 °C to 55 °C °C
Dimensions (W×H×D)	450 x 115 x 290 mm (carrying case), 142 x 88 x 112 mm (individual capacitor) mm
Weight	8.5 kg kg
Individual Capacitor Weight	0.7 kg

Electrical Specifications

Nominal Capacitance Values	1 pF, 10 pF, 100 pF, 1000 pF
Included Individual Standards	16381A (1 pF), 16382A (10 pF), 16383A (100 pF), 16384A (1000 pF)
Calibration Accuracy	±0.10% (at 1 kHz)
Dissipation Factor (tan δ)	≤ 0.0005 (at 1 kHz)
Maximum Applied Voltage	50 V peak

Connection & Interface

Terminal Configuration	4-Terminal Pair (4TP)
Connector Type	BNC female

Environmental & Operating Conditions

Reference Calibration Temperature	23 °C ± 5 °C
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Performance

Calibration Frequencies	1 kHz
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TECHNOLOGY

Air and Mica Dielectric

APPLICATIONS

Calibration standard for LCR meters and impedance analyzers

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.