

KEYSIGHT TECHNOLOGIES (AGILENT HP)

85093C

The Keysight (Agilent) 85093C is a 2-port RF Electronic Calibration (ECal) module operating from 300 kHz to 9 GHz with 3.5 mm connectors. It provides rapid, highly repeatable, and accurate calibration for compatible vector network analyzers (VNAs), reducing operator error and connector wear compared to mechanical calibration kits.

SPECIFICATIONS

General

Interfaces	USB Type-B (direct connection)
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Physical

Power Supply	USB bus powered
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RF Performance Specifications

Frequency Range	300 kHz to 9 GHz
Nominal Impedance	50 Ω
Number of Ports	2
Port Connector Type	3.5 mm
Typical Maximum Input Power	+9.0 dBm
Typical Damage Level	+20.0 dBm
Switching Technology	Solid-state

Port Configurations & Options

Port Gender Options	Male-Male, Female-Female, Male-Female
Mixed Connector Support	3.5 mm only

VNA Compatibility & Software

Calibration Mechanism	Single-connection full two-port calibration
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Metrology & Traceability

Traceability Pathway	NIST traceable
Recommended Calibration Interval	1 year

Environmental Specifications

Error-Corrected Temperature Range	20 °C to 30 °C
Storage Temperature Range	-40 °C to +70 °C

Interfaces

Control Connection	USB Type-B
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Configuration Options

Connector Options	Option 00F (female-female) / Option 00M (male-male) / Option 00A (male-female)
Calibration Certificate Options	Option UK6 (commercial calibration certificate with test data) / Option 1A7 (ISO 17025 calibration) / Option A6J (ANSI Z540 calibration)

Connectivity

PC/VNA Interface	USB Type-B (device port) for direct VNA or PC connection
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TECHNOLOGY

RF Electronic Calibration (ECal)

APPLICATIONS

Vector Network Analyzer Calibration

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