

KEYSIGHT TECHNOLOGIES (AGILENT HP)

N4692D

The Keysight N4692D is a 2-port Microwave Electronic Calibration (ECal) Module operating from 10 MHz to 26.5 GHz with 2.92 mm connectors. It provides fast, simple, and highly accurate vector network analyzer (VNA) calibrations, reducing calibration time and minimizing potential operator errors compared to traditional manual calibration kits.

SPECIFICATIONS

General

Interfaces	USB Type-C
Display	None (LED status indicators only)
Status Indicator	Tri-color LED

Physical

Power Supply	USB bus-powered (5 VDC, < 500 mA)
Operating Temperature	15 °C to 35 °C (operating range); 20 °C to 30 °C (calibrated specifications range) °C
Dimensions (W×H×D)	72 mm × 22 mm × 141 mm mm
Weight	0.38 kg kg

RF Characteristics

Frequency Range	10 MHz to 26.5 GHz
Number of Calibration Ports	2
Connector Type	2.92 mm
Connector Gender Options	Option F0F (Both female), Option M0M (Both male), Option M0F (One male, one female)
Nominal Impedance	50 Ω
Maximum RF Input Power (Damage Level)	+20 dBm

System & Interface

Control Method	Automatic VNA firmware control via USB connection
Supported Network Analyzers	Keysight PNA, ENA, and Streamline Series Vector Network Analyzers

Environmental

Storage Temperature Range	-40 °C to +70 °C
---------------------------	------------------

Interfaces

USB Interface Connector Type	USB Type-C
------------------------------	------------

Operating Environment

Calibration Temperature Range	+20 °C to +30 °C
Maximum Operating Humidity	95% RH at +40 °C (non-condensing)
Maximum Operating Altitude	4,600 meters
Maximum Non-Operating Altitude	15,240 meters

Compliance

Vibration and Shock Standard	MIL-PRF-28800F Class 3
------------------------------	------------------------

Maintenance

Recommended Calibration Cycle	12 months
-------------------------------	-----------

Operating Conditions

Warm-up Time	20 minutes
--------------	------------

Features

Internal Calibration Standards	Short, Open, Load, Thru
--------------------------------	-------------------------

TECHNOLOGY

Electronic Calibration (ECal)

APPLICATIONS

Vector Network Analyzer (VNA) 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.