

Mechanical Calibration Kit Datasheet

Introduction

The F503ME mechanical calibration kit contains precision 50 Ω , phase-matched, type-N standards, used to calibrate Siglent vector & spectrum analyzers. Standards include a fixed 50 Ω termination, an open load, a short load, and a through adaptor.

The F503ME performance specifications are very similar to the Keysight 85032B mechanical calibration kit and it can be used as a replacement of 85032B.



Performance

Model	Type	Connector	Specification
F503ME	Open	N(Male)	DC – 3.5 GHz, Phase Deviation $\leq \pm 0.8^\circ$
	Short	N(Male)	DC – 3.5 GHz, Phase Deviation $\leq \pm 0.8^\circ$
	Load	N(Male)	DC – 3.5 GHz, SWR ≤ 1.02
	Through	N(Female) - N(Female)	DC – 18 GHz, SWR ≤ 1.20

General Specification

Impedance	50 Ω
Power	1 W
Interfaces Standard	IEC 60169-16
Durability	> 2000
Torque	1.35 Nm
Spanner	19 mm
Temperature	-15 $^\circ\text{C}$ ~ + 35 $^\circ\text{C}$