

Keysight 85059V Precision Verification Kit, 1.0 mm



The Keysight 85059V is a 1.0 mm verification kit designed for vector network analyzer systems operating over the frequency range of 10 MHz to 120 GHz. This includes a set of standards with known characteristics, traceable to primary standards in the Keysight Technologies calibration lab. This verification kit is used to verify the measurement calibration and also to verify that the PNA/PNA-X based millimeter-wave system is operating within its specifications.

Electrical Characteristics for 1.0 mm 50 ohm Devices

Match verification standard typical electrical characteristics

Characteristic	Typical Value @ 0 - 120 Ghz
Return loss	14 dB
Insertion loss	< 0.70 dB
Connector repeatability	-35 dB

Mismatch verification standard typical electrical characteristics

Characteristic	Typical Value @ 0 - 120 Ghz
Return loss	5 dB
Insertion loss	< 3.0 dB
Connector repeatability	-35 dB

Replaceable Parts

Description	Qty Per Kit	Keysight Part Number
Verification standards		
Mismatch adapter data (for internal Keysight reference only)	1	85059-60047
Match adapter data (for internal Keysight reference only)	1	85059-60048
Storage unit		
Storage box with customized foam inserts	1	1540-2334
User's and service guide	1	85059-90006