Agilent 85039B calibration kit, Type-F

The Agilent 85039B 75 Ω type-F calibration kit is used to calibrate Agilent 8752C, Agilent 8753, and Agilent 8712E network analyzer systems for measurements of components with 75 Ω type-F connectors up to 3 GHz.

Electrical specifications

75 Ω Type-F device	Specifications	Frequency
Male load, female load:	Return loss ≥45 dB (ρ≤0.006)	dc to ≤1GHz
	Return loss ≥38 dB (ρ≤0.013)	>1 to ≤3 GHz
Male short[1], female short:	±0.60° from nominal	dc to ≤1 GHz
	±1.00° from nominal	>1 to ≤3 GHz
Male open[1], female open:	±0.55° from nominal	dc to ≤1 GHz
	±1.30° from nominal	> 1 to ≤3 GHz

Adapters

Type-F to Type-F	Return loss ≥40 dB (ρ≤0.013)	dc to ≤1 GHz
	Return loss ≥32 dB (ρ≤0.025)	>1 to ≤3 GHz
Type-N to Type-F	Return loss ≥38 dB (ρ≤0.013)	dc to ≤1 GHz

[1] The specifications for the open and short are given as allowed deviation from the nominal model as defined in the standard definitions. See Table A-3

Part Number	Description	85039B	Opt 00M	Opt 00F
85039-60007	75 ohm Type-F male load	X	X	
85039-60008	75 ohm Type-F male short	X	X	
85039-60009	75 ohm Type-F male open	X	X	
85039-60004	75 ohm Type-F female load	X		X
85039-60003	75 ohm Type-F female short	X		X
85039-60005	75 ohm Type-F female open	X		X
85039-60006	75 ohm Type-F male to male adapter	X	X	
85039-60002	75 ohm Type-F female to female adapter	X		X
85039-60013	75 ohm Type-F female to Type-N male adapter	X		
85039-60011	75 ohm Type-F male to Type-N female adapter	X		

Additional adapters available from Agilent but not included in the cal kit.

85039-60010	75 ohm Type-F male to Type-N male			
85039-60012	75 ohm Type-F male to Type-F female			
85039-60014	75 ohm Type-F female to Type-N female			

Accessories

Agilent 86211A 75 ohm Type-N to Type-F adapter kit

Adapter kit provides Type-N to Type-F adapters necessary when measuring Type-F devices on a network analyzer with 75 ohm Type-N test ports.

Adapter kits

86211A	**75 ohm** **Type-N to Type-F adapter kit**
	Type-F (f) to Type-F (f)
	Type-F (m) to Type-N (f)
	Type-F (m) to Type-N (m)

12