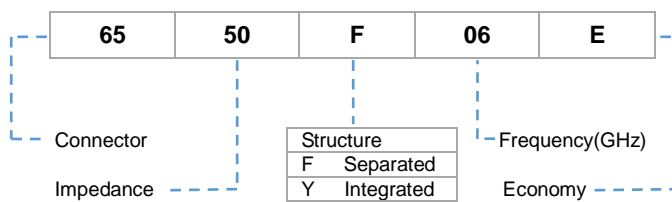


Mechanical Calibration Kits

Mechanical Calibration Kit is a set of accurate short-open-load (SOL) and precision adapters to characterize systematic errors. To ensure the calibration effectiveness, a higher calibration standard is used to verify the performance before delivery. The stainless steel bodies and Au-plated Beryllium copper center conductors make the service life extended to more than 2000 times. Our calibration kits are used for the devices equipped with type N and 3.5mm connectors and are capable of the frequency from DC to 26.5GHz at present. More high frequency calibration kits with popular connectors are in development.

Part Numbering



Type N Calibration Kits



Precision Calibration Kits

6550F06 (50Ω 6GHz)
 6550F09 (50Ω 9GHz)
 6550F18 (50Ω 18GHz)



Economy Calibration Kits

6550F03E (50Ω 3GHz)
 6550F06E (50Ω 6GHz)



3-in-1 OSL mechanical calibration Kits

6550Y04 (50Ω 4GHz)
 6550Y06 (50Ω 6GHz)
 6550Y09 (50Ω 9GHz)

Mechanical Data	
Mating Cycles	>2000 times
Coupling Torque	1.35Nm
Open-End Wrench Size	19mm

Environmental Data	
Operating Temperature	+15°C~ +35°C
Storage Temperature	-40°C~ +75°C

Devices

P/N	Frequency	Single Sex P/N	Devices	Device Model	Specifications
6550F06	DC~6GHz	6550F06-M (Male)	Open	6550F06-KM	Phase Deviation $\leq\pm 0.6^\circ$
			Short	6550F06-DM	Phase Deviation $\leq\pm 0.6^\circ$
			Load	6550F06-LM	VSWR ≤ 1.025
		6550F06-F (Female)	Open	6550F06-KF	Phase Deviation $\leq\pm 0.6^\circ$
			Short	6550F06-DF	Phase Deviation $\leq\pm 0.6^\circ$
			Load	6550F06-LF	VSWR ≤ 1.025
6550F09	DC~9GHz	6550F09-M (Male)	Open	6550F09-KM	Phase Deviation $\leq\pm 0.8^\circ$
			Short	6550F09-DM	Phase Deviation $\leq\pm 0.8^\circ$
			Load	6550F09-LM	VSWR ≤ 1.032
		6550F09-F (Female)	Open	6550F09-KF	Phase Deviation $\leq\pm 0.8^\circ$
			Short	6550F09-DF	Phase Deviation $\leq\pm 0.8^\circ$
			Load	6550F09-LF	VSWR ≤ 1.032
6550F18	DC~18GHz	6550F18-M (Male)	Open	6550F18-KM	Phase Deviation $\leq\pm 1^\circ$
			Short	6550F18-DM	Phase Deviation $\leq\pm 1^\circ$
			Load	6550F18-LM	VSWR ≤ 1.048
		6550F18-F (Female)	Open	6550F18-KF	Phase Deviation $\leq\pm 1^\circ$
			Short	6550F18-DF	Phase Deviation $\leq\pm 1^\circ$
			Load	6550F18-LF	VSWR ≤ 1.048
6550F03E	DC~3GHz	6550F03E-M (Male)	Open	6550F03E-KM	Phase Deviation $\leq\pm 0.8^\circ$
			Short	6550F03E-DM	Phase Deviation $\leq\pm 0.8^\circ$
			Load	6550F03E-LM	VSWR ≤ 1.02
		6550F03E-F (Female)	Open	6550F03E-KF	Phase Deviation $\leq\pm 0.8^\circ$
			Short	6550F03E-DF	Phase Deviation $\leq\pm 0.8^\circ$
			Load	6550F03E-LF	VSWR ≤ 1.02
6550F06E	DC~6GHz	6550F06E-M (Male)	Open	6550F06E-KM	Phase Deviation $\leq\pm 1^\circ$
			Short	6550F06E-DM	Phase Deviation $\leq\pm 1^\circ$
			Load	6550F06E-LM	VSWR ≤ 1.035
		6550F06E-F (Female)	Open	6550F06E-KF	Phase Deviation $\leq\pm 1^\circ$
			Short	6550F06E-DF	Phase Deviation $\leq\pm 1^\circ$
			Load	6550F06E-LF	VSWR ≤ 1.035
6550Y04	DC~4GHz	6550Y04-M (Male)	Integration of Open, Short, Load		Open : Phase Deviation $\leq\pm 0.6^\circ$ Short : Phase Deviation $\leq\pm 0.6^\circ$ Load : VSWR ≤ 1.025
		6550Y04-F (Female)	Integration of Open, Short, Load		Open : Phase Deviation $\leq\pm 0.6^\circ$ Short : Phase Deviation $\leq\pm 0.6^\circ$ Load : VSWR ≤ 1.025
6550Y06	DC~6GHz	6550Y06-M (Male)	Integration of Open, Short, Load		Open : Phase Deviation $\leq\pm 0.6^\circ$ Short : Phase Deviation $\leq\pm 0.6^\circ$ Load : VSWR ≤ 1.032
		6550Y06-F (Female)	Integration of Open, Short, Load		Open : Phase Deviation $\leq\pm 0.6^\circ$ Short : Phase Deviation $\leq\pm 0.6^\circ$ Load : VSWR ≤ 1.032
6550Y09	DC~9GHz	6550Y09-M (Male)	Integration of Open, Short, Load		Open : Phase Deviation $\leq\pm 0.8^\circ$ Short : Phase Deviation $\leq\pm 0.8^\circ$ Load : VSWR ≤ 1.032
		6550Y09-F (Female)	Integration of Open, Short, Load		Open : Phase Deviation $\leq\pm 0.8^\circ$ Short : Phase Deviation $\leq\pm 0.8^\circ$ Load : VSWR ≤ 1.032

Optional Adapters and Torque Wrench

Classification	P/N	Connector 1	Connector 2	Specifications
Adapters Series 1	MA6565A	N Male	N Male	DC~9GHz VSWR \leq 1.06 9~18GHz VSWR \leq 1.1
	MA6565B	N Female	N Female	
	MA6565C	N Male	N Female	
	MA6535A	N Male	7mm Sexless	
	MA6535B	N Female	7mm Sexless	
Adapters Series 2	MA6565A-11	N Male	N Male	DC~18GHz VSWR \leq 1.06
	MA6565B-11	N Female	N Female	
	MA6565C-11	N Male	N Female	
	MA6535A-11	N Male	7mm Sexless	
	MA6535B-11	N Female	7mm Sexless	
Adapters Series 3	MA6565A-31	N Male	N Male	DC~3GHz VSWR \leq 1.03 3~6GHz VSWR \leq 1.05 3~9GHz VSWR \leq 1.08
	MA6565B-31	N Female	N Female	
	MA6565C-31	N Male	N Female	
Torque Wrench	B19T135	Open-end wrench size 19mm		1.35Nm

L16 Calibration Kit



Precision Calibration Kit

5650F09(50Ω 9GHz)

Mechanical Data	
Mating Cycles	>2000 times
Coupling Torque	1.35Nm
Open-End Wrench Size	19mm

Environmental Data	
Operating Temperature	+15°C~ +35°C
Storage Temperature	-40°C~ +75°C

Devices

P/N	Frequency	Single Sex P/N	Devices	Device Model	Specifications
5650F09	DC~9GHz	5650F09-M (Male)	Open	5650F09-KM	Phase Deviation $\leq\pm 0.8^\circ$
			Short	5650F09-DM	Phase Deviation $\leq\pm 0.8^\circ$
			Load	5650F09-LM	VSWR ≤ 1.032
		5650F09-F (Female)	Open	5650F09-KF	Phase Deviation $\leq\pm 0.8^\circ$
			Short	5650F09-DF	Phase Deviation $\leq\pm 0.8^\circ$
			Load	5650F09-LF	VSWR ≤ 1.032

Optional Adapters and Torque Wrench

Classification	P/N	Connector 1	Connector 2	Specifications
Adapters	MA5656A	L16 Male	L16 Male	DC~9GHz VSWR ≤ 1.06
	MA5656B	L16 Female	L16 Female	
	MA5656C	L16 Male	L16 Female	
	MA5635A	L16 Male	7mm Sexless	
	MA5635B	L16 Female	7mm Sexless	
Torque Wrench	B19T135	Open-end wrench size 19mm		1.35Nm

3.5mm Calibration Kits



Precision Calibration Kits

6650F06 (50Ω 6GHz)
 6650F09 (50Ω 9GHz)
 6650F27 (50Ω 26.5GHz)

Mechanical Data	
Mating Cycles	>2000 次
Coupling Torque	0.9Nm
Open-End Wrench Size	8mm



Economy Calibration Kits

6650F03E (50Ω 3GHz)
 6650F06E (50Ω 6GHz)

Environmental Data	
Operating Temperature	+15°C ~ +35°C
Storage Temperature	-40°C ~ +75°C

Devices

P/N	Frequency	Single Sex P/N	Devices	Device Model	Specifications
6650F06	DC~6GHz	6650F06-M (Male)	Open	6650F06-KM	Phase Deviation $\leq\pm 0.6^\circ$
			Short	6650F06-DM	Phase Deviation $\leq\pm 0.6^\circ$
			Load	6650F06-LM	VSWR ≤ 1.025
		6650F06-F (Female)	Open	6650F06-KF	Phase Deviation $\leq\pm 0.6^\circ$
			Short	6650F06-DF	Phase Deviation $\leq\pm 0.6^\circ$
			Load	6650F06-LF	VSWR ≤ 1.025
6650F09	DC~9GHz	6650F09-M (Male)	Open	6650F09-KM	Phase Deviation $\leq\pm 0.8^\circ$
			Short	6650F09-DM	Phase Deviation $\leq\pm 0.8^\circ$
			Load	6650F09-LM	VSWR ≤ 1.032
		6650F09-F (Female)	Open	6650F09-KF	Phase Deviation $\leq\pm 0.8^\circ$
			Short	6650F09-DF	Phase Deviation $\leq\pm 0.8^\circ$
			Load	6650F09-LF	VSWR ≤ 1.032
6650F27	DC~26.5GHz	6650F27-M (Male)	Open	6650F27-KM	Phase Deviation $\leq\pm 1.5^\circ$
			Short	6650F27-DM	Phase Deviation $\leq\pm 1.5^\circ$
			Load	6650F27-LM	VSWR ≤ 1.055
		6650F27-F (Female)	Open	6650F27-KF	Phase Deviation $\leq\pm 1.5^\circ$
			Short	6650F27-DF	Phase Deviation $\leq\pm 1.5^\circ$
			Load	6650F27-LF	VSWR ≤ 1.055
6650F03E	DC~3GHz	6650F03E-M (Male)	Open	6650F06E-KM	Phase Deviation $\leq\pm 0.8^\circ @ 3\text{GHz}$
			Short	6650F06E-DM	Phase Deviation $\leq\pm 0.8^\circ @ 3\text{GHz}$
			Load	6650F03E-LM	VSWR ≤ 1.025
		6650F03E-F (Female)	Open	6650F06E-KF	Phase Deviation $\leq\pm 0.8^\circ @ 3\text{GHz}$
			Short	6650F06E-DF	Phase Deviation $\leq\pm 0.8^\circ @ 3\text{GHz}$
			Load	6650F03E-LF	VSWR ≤ 1.025
6650F06E	DC~6GHz	6650F06E-M (Male)	Open	6650F06E-KM	Phase Deviation $\leq\pm 1^\circ$
			Short	6650F06E-DM	Phase Deviation $\leq\pm 1^\circ$
			Load	6650F06E-LM	VSWR ≤ 1.035
		6650F06E-F (Female)	Open	6650F06E-KF	Phase Deviation $\leq\pm 1^\circ$
			Short	6650F06E-DF	Phase Deviation $\leq\pm 1^\circ$
			Load	6650F06E-LF	VSWR ≤ 1.035

Optional Adapters and Torque Wrench

Classification	P/N	Connector 1	Connector 2	Specifications
Adapters Series 1	MA6666A	3.5mm Male	3.5mm Male	DC~6GHz VSWR≤1.04 6~9GHz VSWR≤1.06 9~26.5GHz VSWR≤1.1
	MA6666B	3.5mm Female	3.5mm Female	
	MA6666C	3.5mm Male	3.5mm Female	
	MA6665A	3.5mm Male	N Male	DC~6GHz VSWR≤1.04 6~9GHz VSWR≤1.06 9~18GHz VSWR≤1.1
	MA6665B	3.5mm Female	N Female	
	MA6665C	3.5mm Male	N Female	
	MA6665D	3.5mm Female	N Male	
Adapters Series 2	MA6666A-11	3.5mm Male	3.5mm Male	DC~26.5GHz VSWR≤1.06
	MA6666B-11	3.5mm Female	3.5mm Female	
	MA6666C-11	3.5mm Male	3.5mm Female	
	MA6665A-11	3.5mm Male	N Male	DC~18GHz VSWR≤1.05
	MA6665B-11	3.5mm Female	N Female	
	MA6665C-11	3.5mm Male	N Female	
	MA6665D-11	3.5mm Female	N Male	
Torque Wrench	B08T090	Open-end wrench size 8mm		0.9Nm