

## Economy 3.5mm (Female) Calibration Kits (DC-9GHz, Equivalent to Agilent 85033E)

Model	Description	SKU No.
EUC900-3.5mmF	Calibration Kit (3.5mm, 50 Ω, 9GHz female)	55-0207F



EUC9000-3.5mmF

### Scope:

The EUC900-3.5mmF calibration kit is designed for 3.5mm port calibration on vector network analyzers with frequency range of DC ~ 9GHz. The EUC900-3.5mm calibration kit can replace Agilent 85033E calibration kits, the 85033E calibration coefficient data can be used directly to achieve the high calibrations specification below.

ELECTRICAL SPECIFICATIONS	
Frequency band	DC-9GHz
Return Loss F Load	<-40dB DC-3GHz
	<-37dB 3-6GHz
	<-32dB 6-9GHz
Phase Deviation ( OPEN / SHORT )	≤0.8 ° DC-3GHz
	≤1.0 ° 3GHz - 6GHz
	≤1.2 ° 6GHz - 9GHz

Note: vale at 25°C sea level

MECHANICAL SPECIFICATIONS	
CONNECTOR BODY	Stainless Steel Passivated
INNER PIN	Au-plated CuBe alloy
INSULATOR	PTFE Virgin Electrical Grade
TORQUE:	0.9N-m
CYCLE LIFE:	2000Min.
WOOD BOX:	142mm X 142mm X 55mm
WEIGHT:	350g

RoHS compliant: **Yes**

### Calibration Coefficient

Model	C0 F(e-15)	C1 F(e-27)/Hz	C2 F(e-36)/Hz^2	C3 F(e-45)/Hz^3	Delay (pSec)	Loss (Gohm/Sec)	Z0 (Ohm)
EUC900-3.5mmM Open	49.43 3	-310.13	23.168	-0.15966	29.2	2.2	50
EUC900-3.5mmF Open	119.0 9	-310.13	23.168	-0.15966	29.2	2.3	50

Model	L0 F(e-12)	L1 F(e-24)/Hz	L2 F(e-33)/Hz^2	L3 F(e-42)/Hz^3	Delay (pSec)	Loss (Gohm/Sec)	Z0 (Ohm)
EUC900-3.5mmM Short	2.076	-108.54	2.1705	-0.01	31.8	2.36	50
EUC900-3.5mmF Short	2.076	-108.5	2.1705	-0.01	31.8	2.36	50

Note:

Racomtech reserves the right to change the specifications and information without notice  
One year limited warranty, refer to our warranty policy.

### Options:

Model	Description	SKU No.
3.5mm-MM-26.5-110	3.5mm(Male) to 3.5mm(Male) adapter, DC-26.5GHz VSWR<1.1	01-0983
3.5mm-FF-26.5-110	3.5mm(Female) to 3.5mm(Female) adapter, DC-26.5GHz VSWR<1.1	01-0984
EUC900-3.5mmM	Calibration Kit (3.5mm, 50 Ω, 9GHz male)	55-0207M