# **S911 Calibration Kit**

S911 Calibration Kit offers excellent performance characteristics that is specially designed for the fine-tuning and production environments and quality testing facilities using  $50\Omega$  3.5 mm connectors from DC to 9 GHz.

It includes all needed calibration standard (open, short, load) in one unit that is best solution for comfortable handing during the calibration of VNA, especially in field use.

### **Electrical Data**

Impedance	50Ω	
Frequency range	DC to 9 GHz	

## **Electrical Specifications\***

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Load	DC - 9 GHz		
Return loss	≤38 dB		
Open	DC - 9 GHz		
Phase Deviation	<1.5°		
Short	DC - 9 GHz		
Phase Deviation <1.5°			

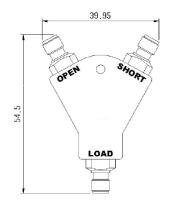
### **Mechanical Data**

Connector type	3.5 mm (female)	
Housing	Stainless steel	
Weight	44 g	

### **Environmental Data**

Operating temperature	15°C to 35°C	
Storage temperature	-40°C to +75°C	

<sup>\*</sup>Phase deviation: relative tolerance from standard phase



# OPEN SHORT COPPER MOUNTAIN TECHNOLOGIS

### Coefficients

Open	$C_0 = 49.43 \times 10^{-15}  \text{F}$	
	$C_1 = -310.13 \times 10^{-27} \text{ F/Hz}$	
	$C_2 = 23.17 \times 10^{-36} \text{ F/Hz}^2$	
	$C_3 = -0.16 \times 10^{-45} \text{ F/Hz}^3$	
	Offset delay	29.243 ps
	Offset loss	2.2 GΩ/s
Short	$L_0 = 2.0765 \times 10^{-12} H$	
	$L_1 = -108.54 \times 10^{-24} \text{ H/Hz}$	
	$L_2 = 2.1705 \times 10^{-33} \text{ H/Hz}^2$	
	$L_3 = -0.01 \times 10^{-42} \text{ H/Hz}^3$	
	Offset delay	31.785 ps
	Offset loss	2.36 GΩ/s

