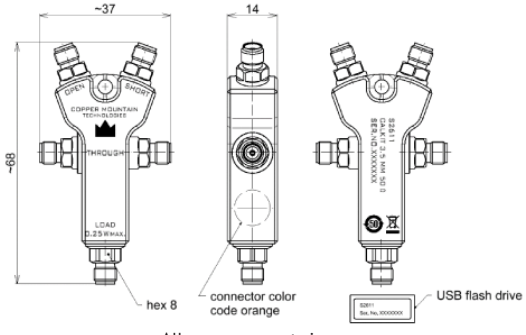
Calibration Kit: S2611

Effective Parameters, Typical	
	Databased Kit[1]
Directivity	⩽ 43 dB
Source Match	⩽ 40 dB
Reflection Tracking	⩽ 0.04 dB
Transmission Tracking	⩽ 0.06 dB

1) effective parameters of a VNA achieved after calibration using kit's database description.

Your S2611 has been designed to withstand a moderate amount of physical stress. However, to retain its high precision performance you should treat it with care and prevent any mechanical shock. It can be damaged if excessive force is applied to the connectors. Such a damage is considered an abuse of the S2611 and will void the warranty when verified by our service professionals. When the kit is not in use, mount protective caps on the connectors such as the ones which came with the kit. Store the kit in a shock-resistant environment.



All measurements in mm.

Temperature loading	Operating temperature range	+5 °C to +40 °C
	Storage temperature range	-40 °C to +70 °C, in line with EN 60068-2-1 and EN 60068-2-2

Packing List

(1) S2611 Calibration Kit
(1) Flash Drive with database files in Touchstone format
(1) Product card
(1) Carrying pouch

COPPER MOUNTAIN TECHNOLOGIES

DC to 26.5 GHz

3.5 mm Female | 50 Ω

THRU female	Electrical Length
	115.881 ps
	34.74 mm

THRU female	Return Loss	
	DC to 5 GHz	5 GHZ to 26.5
	⩾ 34 dB	⩾ 30 dB

THRU female	Insertion Loss
	0.04 dB x √f (GHz)

OPEN female	Offset Length
	31.832 ps
	9.54 mm

OPEN female		
	C0	3695×10^{-15} F
	C1	-625.6×10^{-27} F/Hz
	C2	-2.2×10^{-36} F/Hz²
	C3	0.104×10^{-45} F/Hz³

OPEN female	Phase Error		
	DC-5 GHz	5 GHz-15 GHz	15 GHz-26.5 GHz
	⩽ 1.5°	⩽ 3°	⩽ 4.5°

SHORT female	Offset Length
	30.581 ps
	9.17 mm

SHORT female		
	L0	-8.424×10^{-12} H
	L1	2912×10^{-24} H/Hz
	L2	-217×10^{-33} H/Hz²
	L3	4.51×10^{-42} H/Hz³

SHORT female	Phase Error		
	DC-5 GHz	5 GHz-15 GHz	15 GHz-26.5 GHz
	⩽ 1°	⩽ 2°	⩽ 3.5°

LOAD female	DC-Resistance
	50 Ω ± 0.5 Ω

LOAD female	Return Loss		
	DC-5 GHz	5 GHz-15 GHz	15 GHz-26.5 GHz
	⩾42 dB	⩾36 dB	⩾32 dB

LOAD female	Max Power
	0.25 W