

SMA 2.1 4-in-1 Calibration Kit

Electrical Data

Impedance	50Ω
Frequency Range	DC to 8 GHz
Connector Type	SMA female

Mechanical Data

Mating Cycles	> 500 times
Coupling torque	0.56 Nm
Open-end wrench size	8 mm

Environmental Data

Operating temperature	15°C to 35°C
Storage temperature	-40°C to 75°C
Humidity	90% at 25°C (77°F)
Atmospheric Pressure	70.0 kPa to 106.7 kPa

Effective System Data (typical)^{2,3}

Directivity	30 dB
Source match	28 dB
Load match	30 dB
Reflection tracking	0.1 dB
Transmission tracking	0.1 dB

[1] All specifications subject to change without notice. [2] VNA maximum effective parameters after calibration. [3] All parameters are determined in the temperature range of 23±5 °C with the temperature variation after calibration of no more than ±1 °C.



Coefficients

Open	$C_0 = -14.869 \times 10^{-15} \text{ F}$	
	$C_1 = 16054 \times 10^{-27} \text{ F/Hz}$	
	$C_2 = -3842 \times 10^{-36} \text{ F/Hz}^2$	
	$C_3 = 256.5 \times 10^{-45} \text{ F/Hz}^3$	
	Offset delay	60.435 ps
	Offset loss	3.9 GΩ/s
Short	$L_0 = 31.74 \times 10^{-12} \text{ F}$	
	$L_1 = 35652 \times 10^{-24} \text{ F/Hz}$	
	$L_2 = 8306 \times 10^{-33} \text{ F/Hz}^2$	
	$L_3 = -533 \times 10^{-42} \text{ F/Hz}^3$	
	Offset delay	59.954 ps
	Offset loss	3.5 GΩ/s
Thru	Electrical delay	161.12 ps
	Offset loss	4.07 GΩ/s
Load	Data Based	