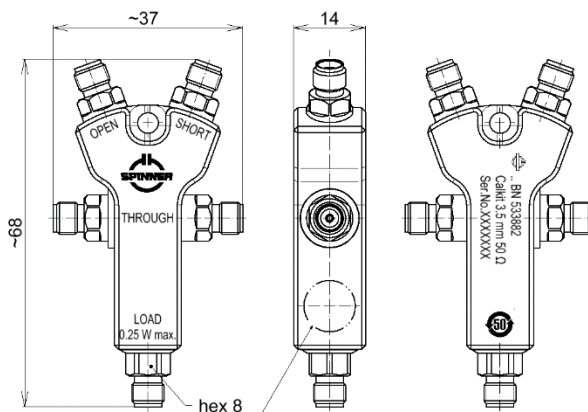


OSLT Compact Calibration Kit (4-in-1) || BN 533882

connector colour
code orange

all dimensions in millimeter

Radio frequency characteristics

Interface type		3.5 mm socket per IEC 60169-23
Frequency range		DC to 26.5 GHz
THROUGH	Return loss, min.	34 dB @ DC to 5 GHz 30 dB @ 5 to 26.5 GHz
	Insertion loss, max.	$0.035 \text{ dB} \times \sqrt{f \text{ (GHz)}}$
OPEN	Phase deviation, max.	1.5 deg. @ DC to 5 GHz
		3.0 deg. @ 5 to 15 GHz
		4.5 deg. @ 15 to 26.5 GHz
SHORT	Phase deviation, max.	1.0 deg. @ DC to 5 GHz
		2.5 deg. @ 5 to 15 GHz
		4.0 deg. @ 15 to 26.5 GHz
LOAD	DC-resistance	$50 \Omega \pm 0.5 \Omega$
	Return loss, min.	42 dB @ DC to 5 GHz
		36 dB @ 5 to 15 GHz
		32 dB @ 15 to 26.5 GHz
	Power rating, max.	0.25 W

OSLT Compact Calibration Kit (4-in-1) || BN 533882

Calibration data

Format		Keysight (former Agilent) / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	115.881 ps	34.74 mm
OPEN	C0	$3.695 \times 10^{-15} \text{ F}$	3.695 fF
	C1	$-625.6 \times 10^{-27} \text{ F/Hz}$	-0.6256 fF/GHz
	C2	$-2.2 \times 10^{-36} \text{ F/Hz}^2$	-0.0022 fF/(GHz) ²
	C3	$0.104 \times 10^{-45} \text{ F/Hz}^3$	0.000104 fF/(GHz) ³
	Offset	31.832 ps	9.54 mm
SHORT	L0	$-8.424 \times 10^{-12} \text{ H}$	-8.424 pH
	L1	$2912 \times 10^{-24} \text{ H/Hz}$	2.912 pH/GHz
	L2	$-217 \times 10^{-33} \text{ H/Hz}^2$	-0.217 pH/(GHz) ²
	L3	$4.51 \times 10^{-42} \text{ H/Hz}^3$	0.00451 pH/(GHz) ³
	Offset	30.581 ps	9.17 mm
Offset loss		2 GΩ/s	

Mechanical characteristics

Center conductor material / surface finish	CuBe age hardened, copper alloy / gold-plated
Outer conductor material / surface finish	CuBe / gold-plated
Insulation	cross linked polystyrene, PS
Other metallic parts / surface finish	aluminium / anodised (blue)
Weight, approx.	0.05 kg
Marking	laser engraving

Component Name	Toxic or Hazardous Substances and Elements					
	Pb	Hg	Cd	Cr 6+	PBB	PBDE
Metal parts	X	O	O	O	O	O

The environmental protection use period of 50 years is valid, if the product is used as intended.

Environmental conditions

Operation	
Ambient temperature range	+18 to +28°C
Storage	
Ambient temperature range	-40 to +70°C (in line with EN 60068-2-1 and EN 60068-2-2)

Scope of delivery and accessories

Scope of delivery	calibration certificate, protective caps, protective bag, data sheet, handling instructions
-------------------	---

