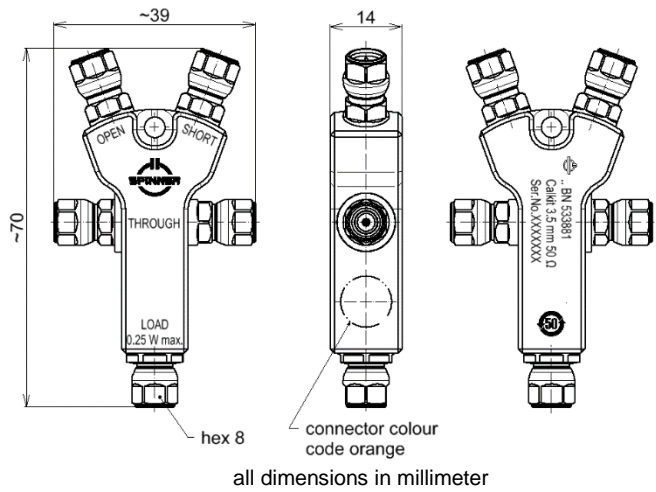


OSLT Compact Calibration Kit (4-in-1) || BN 533881



Radio frequency characteristics

Interface type		3.5 mm plug 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 dB x $\sqrt{f}$ (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	

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Template TD-00003C

OSLT Compact Calibration Kit (4-in-1) || BN 533881

**Calibration data**

Format		Keysight (former Agilent) / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	115.888 ps	34.74 mm
OPEN	C0	$-0.11 \times 10^{-15} \text{ F}$	-0.11 fF
	C1	$6 \times 10^{-27} \text{ F/Hz}$	0.006 fF/GHz
	C2	$-4.39 \times 10^{-36} \text{ F/Hz}^2$	$-0.00439 \text{ fF}/(\text{GHz})^2$
	C3	$0.179 \times 10^{-45} \text{ F/Hz}^3$	$0.000179 \text{ fF}/(\text{GHz})^3$
	Offset	30.765 ps	9.22 mm
SHORT	L0	$4.645 \times 10^{-12} \text{ H}$	4.645 pH
	L1	$-331 \times 10^{-24} \text{ H/Hz}$	-0.331 pH/GHz
	L2	$10.8 \times 10^{-33} \text{ H/Hz}^2$	$0.0108 \text{ pH}/(\text{GHz})^2$
	L3	$-0.12 \times 10^{-42} \text{ H/Hz}^3$	$-0.00012 \text{ pH}/(\text{GHz})^3$
	Offset	30.508 ps	9.15 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) CuBe / CuSnZn-plated
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**

<b>Operation</b>	
Ambient temperature range	+18 to +28°C
<b>Storage</b>	
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
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