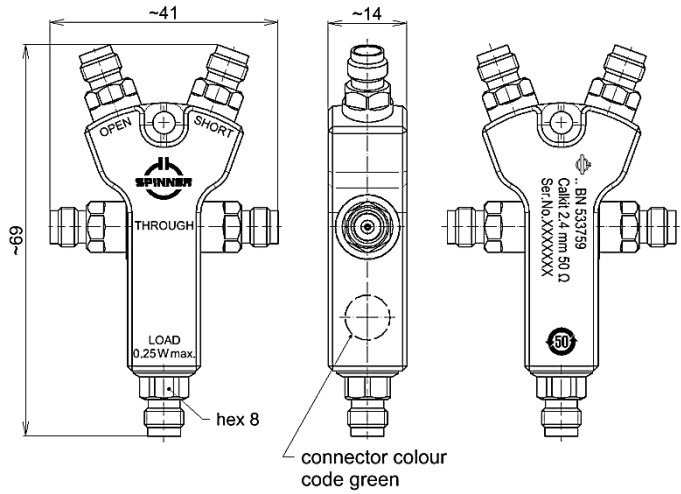


OSLT Compact Calibration Kit (4-in-1) || BN 533759



all dimensions in millimeter

Radio frequency characteristics

Interface type		2.4 mm socket per IEEE Std 287
Frequency range		DC to 50 GHz
THROUGH	Return loss, min.	30 dB @ DC to 4 GHz 26 dB @ 4 to 26.5 GHz 23 dB @ 26.5 to 40 GHz 21 dB @ 40 to 50 GHz
	Insertion loss, max.	0.06 dB x $\sqrt{f}$ (GHz)
OPEN	Phase deviation, max.	2.5 deg. @ DC to 10 GHz 4.5 deg. @ 10 to 26.5 GHz 5.0 deg. @ 26.5 to 50 GHz
SHORT	Phase deviation, max.	2.0 deg. @ DC to 10 GHz 3.5 deg. @ 10 to 26.5 GHz 4.5 deg. @ 26.5 to 50 GHz
LOAD	DC-resistance	50 $\Omega$ $\pm$ 0.5 $\Omega$
	Return loss, min.	38 dB @ DC to 4 GHz
		32 dB @ 4 to 10 GHz
		27 dB @ 10 to 26.5 GHz
23 dB @ 26.5 to 50 GHz		
Power rating, max.	0.25 W	

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OSLT Compact Calibration Kit (4-in-1) || BN 533759

**Calibration data**

Format		Keysight (former Agilent) / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	119.483 ps	35.82 mm
OPEN	C0	$34.2 \times 10^{-15} \text{ F}$	34.2 fF
	C1	$-70 \times 10^{-27} \text{ F/Hz}$	-0.07 fF/GHz
	C2	$-0.2 \times 10^{-36} \text{ F/Hz}^2$	-0.0002 fF/(GHz) <sup>2</sup>
	C3	$0.055 \times 10^{-45} \text{ F/Hz}^3$	0.000055 fF/(GHz) <sup>3</sup>
	Offset	28.854 ps	8.65 mm
SHORT	L0	$1.1 \times 10^{-12} \text{ H}$	1.1 pH
	L1	$0 \times 10^{-24} \text{ H/Hz}$	0 pH/GHz
	L2	$0 \times 10^{-33} \text{ H/Hz}^2$	0 pH/(GHz) <sup>2</sup>
	L3	$0 \times 10^{-42} \text{ H/Hz}^3$	0 pH/(GHz) <sup>3</sup>
	Offset	30.221 ps	9.06 mm
Offset loss		3 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**

<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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