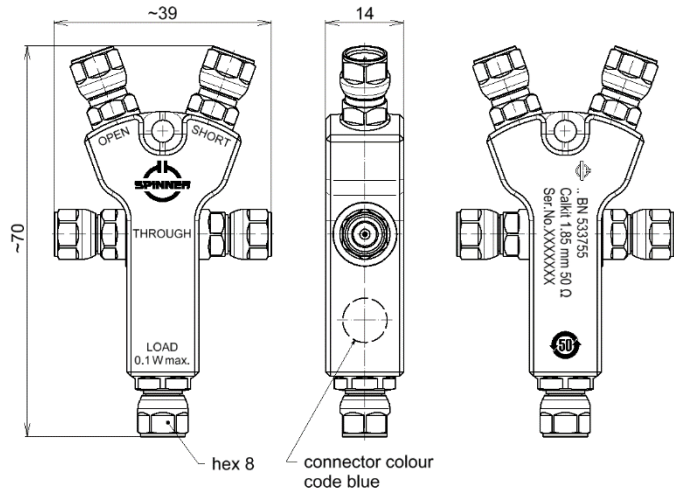


OSLT Compact Calibration Kit (4-in-1) || BN 533755



all dimensions in millimeter

Radio frequency characteristics

Interface type		1.85 mm plug per IEC 61169-32
Frequency range		DC to 67 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 67 GHz
	Insertion loss, max.	0.06 dB x $\sqrt{f}$ (GHz)
OPEN	Phase deviation, max.	3.0 deg. @ DC to 10 GHz 4.0 deg. @ 10 to 26.5 GHz 6.0 deg. @ 26.5 to 50 GHz 7.0 deg. @ 50 to 67 GHz
SHORT	Phase deviation, max.	2.0 deg. @ DC to 10 GHz 3.0 deg. @ 10 to 26.5 GHz 5.0 deg. @ 26.5 to 50 GHz 6.5 deg. @ 50 to 67 GHz
LOAD	DC-resistance	50 $\Omega$ $\pm$ 0.5 $\Omega$
	Return loss, min.	36 dB @ DC to 4 GHz
		31 dB @ 4 to 10 GHz
		25 dB @ 10 to 26.5 GHz
22 dB @ 26.5 to 50 GHz		
20 dB @ 50 to 67 GHz		
Power rating, max.	0.1 W	

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**Calibration data**

Format		Keysight (former Agilent) / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	117.668 ps	35.28 mm
OPEN	C0	$6.2 \times 10^{-15}$ F	6.2 fF
	C1	$73 \times 10^{-27}$ F/Hz	0.073 fF/GHz
	C2	$-0.2 \times 10^{-36}$ F/Hz <sup>2</sup>	-0.0002 fF/(GHz) <sup>2</sup>
	C3	$0 \times 10^{-45}$ F/Hz <sup>3</sup>	0 fF/(GHz) <sup>3</sup>
	Offset	21.515 ps	6.45 mm
SHORT	L0	$0.2 \times 10^{-12}$ H	0.2 pH
	L1	$0 \times 10^{-24}$ H/Hz	0 pH/GHz
	L2	$0 \times 10^{-33}$ H/Hz <sup>2</sup>	0 pH/(GHz) <sup>2</sup>
	L3	$0 \times 10^{-42}$ H/Hz <sup>3</sup>	0 pH/(GHz) <sup>3</sup>
	Offset	21.015 ps	6.30 mm
Offset loss		4 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	CuBe / CuSnZn-plated 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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