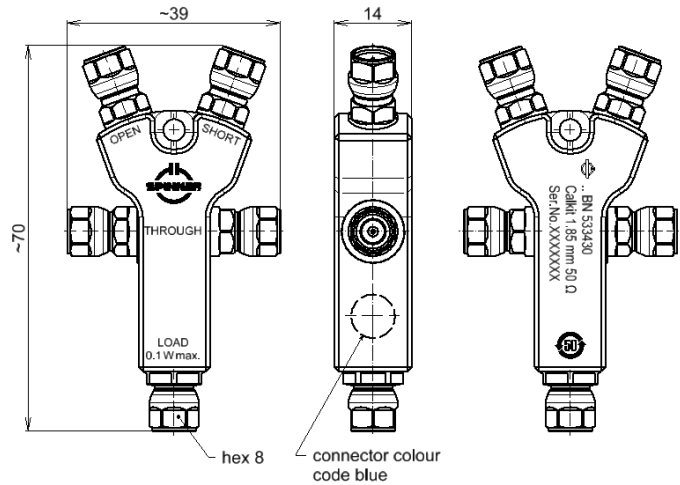


OSLT Compact Calibration Kit (4-in-1) || BN 533430



all dimensions in millimeter

Radio frequency characteristics

Interface type		1.85 mm plug per IEC 61169-32
Frequency range		DC to 70 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 19 dB @ 67 to 70 GHz
	Insertion loss, max.	$0.06 \text{ dB} \times \sqrt{f \text{ (GHz)}}$
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 70 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 70 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 18 dB @ 67 to 70 GHz
	Power rating, max.	0.1 W

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OSLT Compact Calibration Kit (4-in-1) || BN 533430

**Calibration data**

Format		Keysight (former Agilent) / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	116.747 ps	35 mm
OPEN	C0	$30.6616 \times 10^{-15} \text{ F}$	30.6616 fF
	C1	$263.474 \times 10^{-27} \text{ F/Hz}$	0.263474 fF/GHz
	C2	$-6.4236 \times 10^{-36} \text{ F/Hz}^2$	$-0.0064236 \text{ fF}/(\text{GHz})^2$
	C3	$0.0847 \times 10^{-45} \text{ F/Hz}^3$	$0.0000847 \text{ fF}/(\text{GHz})^3$
	Offset	19.242 ps	5.77 mm
SHORT	L0	$0.2 \times 10^{-12} \text{ H}$	0.2 pH
	L1	$0 \times 10^{-24} \text{ H/Hz}$	0 pH/GHz
	L2	$0 \times 10^{-33} \text{ H/Hz}^2$	$0 \text{ pH}/(\text{GHz})^2$
	L3	$0 \times 10^{-42} \text{ H/Hz}^3$	$0 \text{ pH}/(\text{GHz})^3$
	Offset	21.015 ps	6.3 mm
Offset loss		4 GΩ/s	

**Mechanical characteristics**

Inner conductor material / surface coating	CuBe age hardened, copper alloy / gold-plated
Outer conductor material / surface coating	CuBe / gold-plated
Dielectric material	PS, cross linked polystyrene
Other parts material / surface coating	CuBe / CuSnZn-plated aluminium / anodised (blue)
Weight, approx.	50 g
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
Relative humidity, max.	95% (non-condensing)
Storage	
Ambient temperature range	-40 to +70°C (in line with EN 60068-2-1 and EN 60068-2-2)
Relative humidity, max.	95% (non-condensing)

**Scope of delivery and accessories**

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