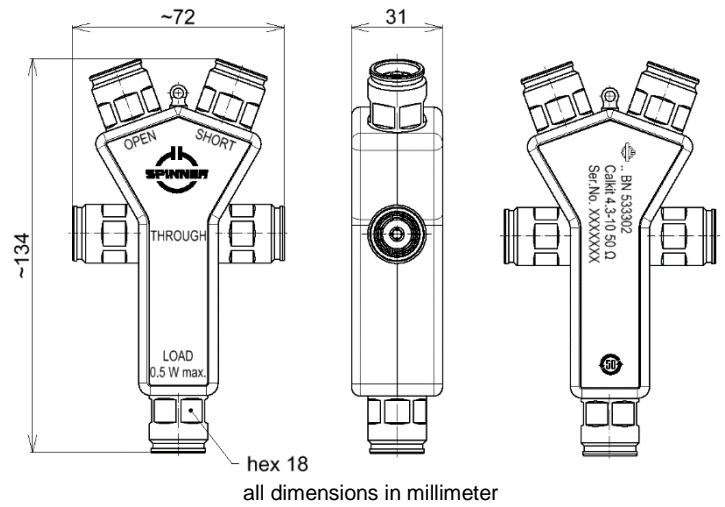


OSLT Compact Calibration Kit (4-in-1) || BN 533302



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Radio frequency characteristics

Interface type		4.3-10 socket per IEC 61169-54
Frequency range		DC to 7.5 GHz
Characteristic impedance		50 Ω
THROUGH	Return loss, min.	35 dB @ DC to 4 GHz
		30 dB @ 4 to 6 GHz
25 dB @ 6 to 7.5 GHz		
	Insertion loss, max.	0.04 dB × √f (GHz)
OPEN	Phase deviation, max.	1.5 deg. @ DC to 4 GHz
		2.5 deg. @ 4 to 6 GHz
		3 deg. @ 6 to 7.5 GHz
SHORT	Phase deviation, max.	1 deg. @ DC to 4 GHz
		2 deg. @ 4 to 6 GHz
		2.5 deg. @ 6 to 7.5 GHz
LOAD	DC-resistance	50 Ω ± 0.5 Ω
	Return loss, min.	40 dB @ DC to 4 GHz
		35 dB @ 4 to 6 GHz
		30 dB @ 6 to 7.5 GHz
Power rating, max.	0.5 W	

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Calibration data

Format		Keysight (former Agilent) / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	238.832 ps	71.6 mm
OPEN	C0	$190 \times 10^{-15} \text{ F}$	190 fF
	C1	$760 \times 10^{-27} \text{ F/Hz}$	0.76 fF/GHz
	C2	$350 \times 10^{-36} \text{ F/Hz}^2$	$0.35 \text{ fF}/(\text{GHz})^2$
	C3	$18.5 \times 10^{-45} \text{ F/Hz}^3$	$0.0185 \text{ fF}/(\text{GHz})^3$
	Offset	95.166 ps	28.53 mm
SHORT	L0	$11 \times 10^{-12} \text{ H}$	11 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	103.738 ps	31.1 mm
Offset loss		0.753 GΩ/s	

Mechanical characteristics

Inner conductor material / surface coating	CuBe age hardened, copper alloy / gold-plated
Outer conductor material / surface coating	copper alloy / gold-plated
Dielectric material	LCP, cross linked polystyrene
Body	PC GF20 (black)
Other parts material / surface coating	aluminium / anodised (blue)
Weight, approx.	0.38 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	-10 to +55°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
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