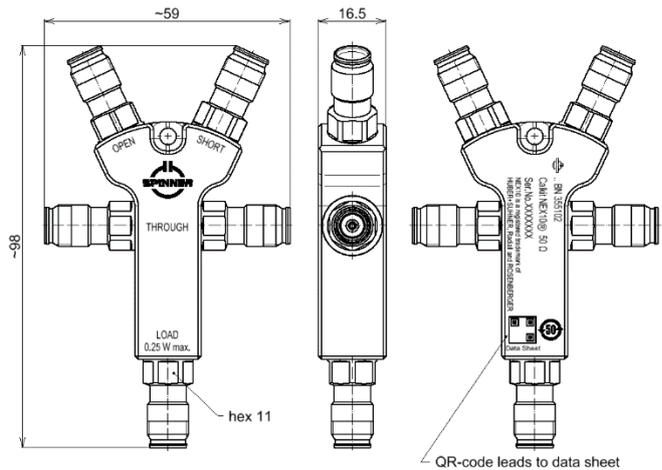


OSLT Compact Calibration Kit (4-in-1) || BN 355102



all dimensions in millimeter

Radio frequency characteristics

Interface type		NEX10® socket per IEC 61169-71
Frequency range		DC to 7.5 GHz
THROUGH	Return loss, min.	34 dB @ DC to 2 GHz 28 dB @ 2 to 6 GHz 24 dB @ 6 to 7.5 GHz
	Insertion loss, max.	0.07 dB x $\sqrt{f}$ (GHz)
OPEN	Phase deviation, max.	3 deg. @ DC to 2 GHz 4 deg. @ 2 to 7.5 GHz
		2.5 deg. @ DC to 2 GHz 3.5 deg. @ 2 to 7.5 GHz
LOAD	DC-resistance	50 Ω ± 0.5 Ω
	Return loss, min.	40 dB @ DC to 2 GHz 34 dB @ 2 to 6 GHz 28 dB @ 6 to 7.5 GHz
		Power rating, max.

Note: NEX10 is a registered trademark of HUBER+SUHNER, Radiall and ROSENBERGER

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**Calibration data**

Format		Keysight (former Agilent) / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	180.158 ps	54.01 mm
OPEN	C0	$2 \times 10^{-15}$ F	2 fF
	C1	$0 \times 10^{-27}$ F/Hz	0 fF/GHz
	C2	$0 \times 10^{-36}$ F/Hz <sup>2</sup>	0 fF/(GHz) <sup>2</sup>
	C3	$0 \times 10^{-45}$ F/Hz <sup>3</sup>	0 fF/(GHz) <sup>3</sup>
	Offset	73.051 ps	21.9 mm
SHORT	L0	$0 \times 10^{-12}$ H	0 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	68.047 ps	20.4 mm
Offset loss		1.5 GΩ/s	

**Mechanical characteristics**

Center conductor material / surface finish	CuBe age hardened, copper alloy / gold-plated
Outer conductor material / surface finish	CuBe, copper alloy / gold-plated
Insulation	LCP, cross linked polystyrene, PTFE
Other metallic parts / surface finish	aluminium / anodised (blue)
Weight, approx.	0.15 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	-10 to +55°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	certificate of calibration, protective caps, protective bag, data sheet, handling instructions
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