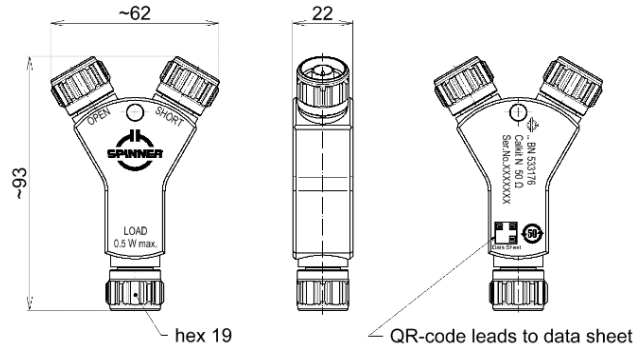


Calibration kit; OSL; Compact 3in1; N plug | BN 533176



all dimensions in millimeter

Radio frequency characteristics

Interface type		N plug per IEC 61169-16	
Frequency range		DC to 18 GHz	
Characteristic impedance		50 Ω	
OPEN	Phase deviation, max.	2.5 deg. @ DC to 6 GHz	
		3.5 deg. @ 6 to 9 GHz	
		4.5 deg. @ 9 to 18 GHz	
SHORT	Phase deviation, max.	2.0 deg. @ DC to 6 GHz	
		3.0 deg. @ 6 to 9 GHz	
		3.5 deg. @ 9 to 18 GHz	
LOAD	DC-resistance	50 Ω ± 0.5 Ω	
	Return loss, min.	42 dB @ DC to 6 GHz	
		30 dB @ 9 to 18 GHz	
	Power rating, max.	0.5 W	

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Calibration data

Format		Keysight (former Agilent) / Anritsu	Rohde & Schwarz
OPEN	C0	$8.471 \times 10^{-15} \text{ F}$	8.471 fF
	C1	$-2513 \times 10^{-27} \text{ F/Hz}$	-2.513 fF/GHz
	C2	$171.3 \times 10^{-36} \text{ F/Hz}^2$	$0.1713 \text{ fF}/(\text{GHz})^2$
	C3	$-1.47 \times 10^{-45} \text{ F/Hz}^3$	$-0.00147 \text{ fF}/(\text{GHz})^3$
	Offset	85.954 ps	25.77 mm
SHORT	L0	$41.01 \times 10^{-12} \text{ H}$	41.01 pH
	L1	$-13740 \times 10^{-24} \text{ H/Hz}$	-13.74 pH/GHz
	L2	$1386 \times 10^{-33} \text{ H/Hz}^2$	$1.386 \text{ pH}/(\text{GHz})^2$
	L3	$-41.56 \times 10^{-42} \text{ H/Hz}^3$	$-0.04156 \text{ pH}/(\text{GHz})^3$
	Offset	86.021 ps	25.79 mm
Offset Loss		0.82 GΩ/s	

Template TD-00002.docx | Issue AC

Calibration kit; OSL; Compact 3in1; N plug | BN 533176

Mechanical characteristics

Inner conductor material / surface coating	CuBe age hardened / gold-plated copper alloy / gold-plated
Outer conductor material / surface coating	copper alloy / CuSnZn-plated
Dielectric material	PMP
Other parts material / surface coating	aluminium / anodized (blue) copper alloy / CuSnZn-plated
Weight, approx.	0.25 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	+5 to +40°C
Relative humidity, max.	95% (non-condensing)
Storage	
Ambient temperature range	-40 to +70°C
Relative humidity, max.	95% (non-condensing)

Scope of delivery and accessories

Scope of delivery	protective caps, handling instructions
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