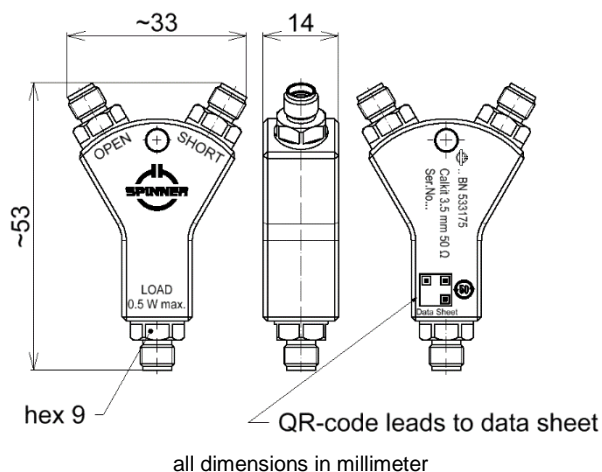


Calibration kit; OSL; Compact 3in1; 3.5 mm socket | BN 533175



Radio frequency characteristics

Interface type		3.5 mm socket per IEC 60169-23
Frequency range		DC to 13 GHz
Characteristic impedance		50 Ω
OPEN	Phase deviation, max.	1.5 deg. @ DC to 4 GHz
		3.0 deg. @ 4 to 8 GHz
		4.5 deg. @ 8 to 13 GHz
SHORT	Phase deviation, max.	1.0 deg. @ DC to 4 GHz
		2.0 deg. @ 4 to 8 GHz
		3.5 deg. @ 8 to 13 GHz
LOAD	DC-resistance	50 Ω ± 0.5 Ω
	Return loss, min.	40 dB @ DC to 4 GHz
		28 dB @ 8 to 13 GHz
Power rating, max.		0.5 W

Calibration data

Format		Keysight (former Agilent) / Anritsu	Rohde & Schwarz
OPEN	C0	44.5 x 10 <sup>-15</sup> F	44.5 fF
	C1	150 x 10 <sup>-27</sup> F/Hz	0.15 fF/GHz
	C2	-8 x 10 <sup>-36</sup> F/Hz <sup>2</sup>	-0.008 fF/(GHz) <sup>2</sup>
	C3	0.36 x 10 <sup>-45</sup> F/Hz <sup>3</sup>	0.00036 fF/(GHz) <sup>3</sup>
	Offset	28.386 ps	8.51 mm
SHORT	L0	10 x 10 <sup>-12</sup> H	10 pH
	L1	-80 x 10 <sup>-24</sup> H/Hz	-0.08 pH/GHz
	L2	3 x 10 <sup>-33</sup> H/Hz <sup>2</sup>	0.003 pH/(GHz) <sup>2</sup>
	L3	-0.02 x 10 <sup>-42</sup> H/Hz <sup>3</sup>	-0.00002 pH/(GHz) <sup>3</sup>
	Offset	30.521 ps	9.15 mm
Offset Loss		2 GΩ/s	

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Template Normal.dotm | Issue AC

## Calibration kit; OSL; Compact 3in1; 3.5 mm socket | BN 533175

### 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	cross linked polystyrene
Other parts material / surface coating	aluminium / anodized (blue)
Weight, approx.	35 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	+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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