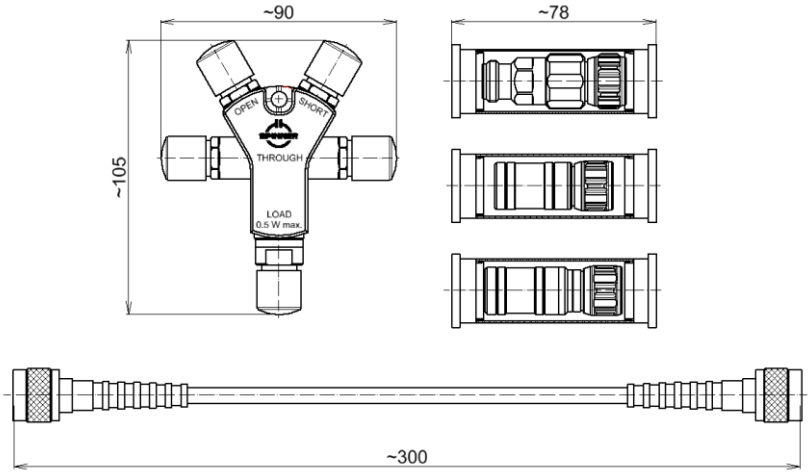
Measurement Accessory Kit for 75 Ω DAU || BN 876794



all dimension in millimeter

Radio frequency characteristics OSLT-Combination

Interface type		N socket (75 Ω) per IEC 61169-16
Frequency range		DC to 3 GHz
THROUGH	Return loss, min.	34 dB @ DC to 3 GHz
	Insertion loss, max.	0.05 dB @ DC to 3 GHz
OPEN	Phase deviation, max.	2 deg. @ DC to 3 GHz
SHORT	Phase deviation, max.	1.5 deg. @ DC to 3 GHz
LOAD	DC-resistance	75 Ω ± 0.75 Ω
	Return loss, min.	36 dB @ DC to 3 GHz
	Power rating, max.	0.5 W

Calibration data

Format		Keysight / Anritsu	Rohde & Schwarz
THROUGH	Electrical delay / length	242.001 ps	72.55 mm
OPEN	C0	-3.576×10^{-15} F	-3.576 fF
	C1	-1226×10^{-27} F/Hz	-1.226 fF/GHz
	C2	1312×10^{-36} F/Hz^2	1.312 fF/(GHz)^2
	C3	-186.5×10^{-45} F/Hz^3	-0.1865 fF/(GHz)^3
	Offset	38.393 ps	11.51 mm
SHORT	L0	46.67×10^{-12} H	46.67 pH
	L1	-13100×10^{-24} H/Hz	-13.1 pH/GHz
	L2	-1093×10^{-33} H/Hz^2	-1.093 pH/(GHz)^2
	L3	398.6×10^{-42} H/Hz^3	0.3986 pH/(GHz)^3
	Offset	53.57 ps	16.06 mm
Offset loss		1.1 GΩ/s	

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Radio frequency characteristics Load

Interface type	N plug (75 Ω) per IEC 61169-16
Frequency range	DC to 3 GHz
Impedance	75 Ω
DC-resistance	75 Ω ± 0.75 Ω
Return loss, min.	36 dB @ DC to 3 GHz
Power rating, max.	0.5 W

Radio frequency characteristics Short [1)]

Interface type	N plug (75 Ω) per IEC 61169-16
Frequency range	DC to 3 GHz
Impedance	75 Ω
Phase deviation, max.	1.5 deg. @ DC to 3 GHz

[1)] The specifications for the short are given as allowed deviation from the nominal model as defined in the calibration data. Calibration data in formats for the common VNAs are included in the delivery. It includes offset length and individual calibration coefficients to achieve the best possible performance.

Radio frequency characteristics Adapter

Interface type	N plug 75 Ω / N socket 50 Ω per IEC 61169-16
Frequency range	DC to 18 GHz
Impedance	50 Ω / 75 Ω (unmatched)

Radio frequency characteristics Cable

Interface type	N plug / plug 75 Ω per IEC 61169-16
Frequency range	DC to 3 GHz
Return loss min.	26 dB @ DC to 1 GHz
	19 dB @ 1 to 2 GHz
	16 dB @ 2 to 3 GHz

Mechanical characteristics

Center conductor material / surface finish	CuBe age hardened, copper alloy / gold-plated
Outer conductor material / surface finish	copper alloy / CuSnZn-plated
Insulation	cross linked polystyrene, PTFE, PMP
Other metallic parts / surface finish	copper alloy / CuSnZn-plated, nickel plated aluminium / anodised (yellow)
Weight, approx.	0.5 kg
Marking	laser engraving

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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

Description	Qty per kit	Part No
OSLT-Combination socket	1	BN 533857R000
Broadband load plug	1	BN 876784
Short circuit plug	1	BN 876785
Adapter plug-socket	1	BN 876780
Cable	1	BN A77368
certificate of calibration, calibration data, protective caps, protective bag, data sheet, handling instructions		