

DATASHEET

Spinner O-S-L Calibration Kit

PART NO: 8503301S



Radio Frequency Characteristics

Interface Type		N Plug Per IEC 61169-16
Frequency Range		DC to 6 GHz
Open/ Short	Phase Shift	180°±8
Load	DC – Resistance	50Ω±0.5Ω
	Return Loss Min.	42 dB @ DC to 6 GHz
	Power Rating, Max.	0.5W

Calibration Data

Format		Keysight / Anritsu	Rohde & Schwarz
Open	C0	$-6.4 \times 10^{-15} \text{ F}$	- 6.4fF
	C1	$1444 \times 10^{-27} \text{ F/Hz}$	1.444 fF / GHZ
	C2	$13.83 \times 10^{-36} \text{ F/Hz}^2$	0.01383 fF / (GHZ) ²
	C3	$-10.03 \times 10^{-45} \text{ F/Hz}^3$	-0.01003 fF / (GHZ) ³
	Offset	53.637 ps	16.08 mm
Short	L0	$20 \times 10^{-12} \text{ H}$	20 pH
	L1	$-5842 \times 10^{-24} \text{ H/Hz}$	-5.842 pH/GHZ
	L2	$416 \times 10^{-33} \text{ H/Hz}^2$	0.416 pH/(GHZ) ²
	L3	$0 \times 10^{-42} \text{ H/Hz}^3$	0 pH/(GHZ) ³
	Offset	53.504 ps	16.04 mm
Offset Loss		0.82 GΩ/s	

Mechanical Characteristics

Centre Conductor Material	CuBe age hardened; Copper alloy / Gold plated
Outer Conductor Material	Copper alloy / CuSnZn - Plated
Insulation	PMP, PTEF
Other Metallic Parts / Surface Finish	Copper alloy / CuSnZn – Plated Aluminium / Anodised (blue)
Weight	0.2 kg
Marking	Laser Engraving

Environmental Conditions

Operation	
Ambient Temperature Range	-10 to 55°C
Storage	
Ambient Temperature Range	-40°C to 70°C (in line with EN 60068-2-1 and EN 60068-2-2)