TEST LEADS

Agilent Technologies VNAs



This range of test leads has been specially developed for applications involving network analyzers from Agilent Technologies. All test leads are provided at one end with the unit-specific, sturdy 3.5 mm or 2.4 mm connector. The HP3.5 and HP2.4 interfaces have a more massive thread than the standard PC3.5 mm and PC2.4 mm interfaces. This allows an optimal and dependable connection to be established to the measurement unit.

The SUCOFLEX SF 104P and SF 101P test leads are distinguished by their outstanding phase stability and stable electrical characteristics. The test leads are designed for frequency ranges from 26.5 GHz to 50 GHz, as a function of the connectors used.

The comparatively high availability of the test leads is ensured on the one hand by the high-precision steel connectors, and on the other hand by an additional ruggedization of the test leads. The ruggedization consists of a flexible stainless steel hose in the case of the SF 104PB and of a steel spiral with PUR jacket in the case of the SF 101PEA. It provides protection against additional stresses such as tension and compression without significantly affecting the ease of cable handling.

51	Туре	SF104PB/HP3.5m/PC3.5m/570		
			ltem	22644091
			Cable	SF 104PB
			Connector	HP3.5-PC3.5(m)
			Length	570 mm
			Impedance	50 Ω
	AND ADDRESS AND AD	-	Max. freq.	26.5 GHz
			Loss	1.33 dB ¹⁾
			VSWR	≤ 1.25
		Armour	🛩 (В)	

52 SF104PB/HP3.5m/PC3.5m/1000 Туре



	ltem	23005140
	Cable	SF 104PB
	Connector	HP3.5-PC3.5(m)
	Length	1000 mm
	Impedance	50 Ω
1	Max. freq.	26.5 GHz
	Loss	2.18 dB ¹⁾
	VSWR	≤ 1.25
	Armour	🛩 (В)

Тур

53

е	JLI	U4PD	/ пгэ). Э т/	PC3.51	7570



Armour

¹⁾ Attenuation values specified refer to typical values at +25°C ambient temperature and maximum operating frequency ²⁾ HP3.5: for ruggedized 3.5 mm port with Agilent Analyzer

TEST LEADS

Agilent Technologies VNAs (Cont.)

54	Туре	SF104PB/HP3.5m/PC3.5f/1000		
		ltem	23005141	
		Cable	SF 104PB	
		Connector	HP3.5-PC3.5(f)	
		5	Length	1000 mm
	the second		Impedance	50 Ω
			Max. freq.	26.5 GHz
			Loss	2.18 dB ¹⁾
			VSWR	≤ 1.25
			Armour	🛩 (В)

57	Type SF	101PEA/HP2	2.4m/SKm/570
		Item	23005075
	Cable	SF 101PEA	
		Connector	HP2.4-SK(m)
		Length	570 mm
	-	Impedance	50 Ω
		Max. freq.	46 GHz ⁴⁾
		Loss	3.23 dB ¹⁾
		VSWR	≤ 1.44
		Armour	🛩 (A, blue)

ltem Cable

Connector Length

Impedance

Max. freq.

Loss VSWR

Armour

SF101PEA/HP2.4m/SKf/570

23005076

SF101PEA HP2.4-SK(f)

570 mm 50 Ω

46 GHz ⁴⁾

3.23 dB 1)

 ≤ 1.44 🖊 (A, blue)

SF101PEA/HP2.4m/PC2.4m/570 55 Type



-/	
ltem	23005073
Cable	SF 101PEA
Connector	HP2.4-PC2.4(m)
Length	570 mm
Impedance	50 Ω
Max. freq.	50 GHz
Loss	3.41 dB ¹⁾
VSWR	≤ 1.44
Armour	🛩 (A, blue)

56 SF101PEA/HP2.4m/PC2.4f/570 Туре ltem 23005074



nom	200000/4	
Cable	SF 101PEA	
Connector	HP2.4-PC2.4(f)	
Length	570 mm	
Impedance	50 Ω	
Max. freq.	50 GHz	
Loss	3.41 dB ¹⁾	
VSWR	≤ 1.44	
Armour	🖊 (A, blue)	

Test lead with ruggedization (armour)

Туре

The additional ruggedization offers excellent protection against mechanical wear and tear and environmental influences.

• Rugged design

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- Flexible construction
- Ideal for test laboratories and outdoor applications

ggedizations of types A

1) Attenuation values specified refer to typical values at +25°C ambient temperature and maximum operating frequency

- ²⁾ HP3.5: for ruggedized 3.5 mm port with Agilent Analyzer
- ³⁾ HP2.4: for ruggedized 2.4 mm port with Agilent Analyzer

⁴) Reduced frequency range due to specification of connector interface

 For technical information on rug and B, see page 148.
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