



Modular Oscilloscope Probes



ENGLISH

Type	RS Part-No.:	Attenuation	Loading Input		Bandwidth (MHz)	Rise Time (ns)	Cable Length (m)
			R (M Ω)	C (pF)			
RS - LF 112	1466612	1:1	*	45	25	14	1,2
RS - LF 212	1466613	10:1	10	14	150	2,3	1,2
RS - HF 212	1466618	10:1	10	13,5	300	1,2	1,2

Type	RS Part-No.	Attenuation	Loading Input				Bandwidth (MHz)		Rise Time (ns)		Cable Length (m)
			R (M Ω)		C (pF)		1:1	10:1	1:1	10:1	
			1:1	10:1	1:1	10:1	1:1	10:1	1:1	10:1	
RS - LF 312	1466614	1:1 / 10:1	*	10	47	15,5	15	150	24	2,3	1,2
RS - MF 312	1466616	1:1 / 10:1	*	10	47	10	20	250	18	1,4	1,2
RS - LF 312-2-6	1466615	two pieces RS-LF 312									
RS - MF 312-2-6	1466617	two pieces RS-MF 312									

* same as oscilloscope

All specifications are subject to change without notice!

@ 1:1 max. input voltage 400V CAT I (VDC + Peak AC) derating with frequency!

@ 10:1 max. input voltage 600V CAT I (VDC + Peak AC) derating with frequency!

FOR MORE INFORMATION VISIT www.rs-components.com

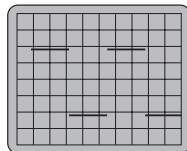




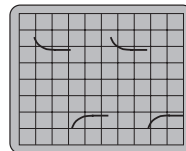
probe adjustment (10:1 and 1:1/10:1) 1kHz-compensation

Connect probe to a 1kHz square wave signal.
Adjust trimmer capacitor (A) in probe-body for
optimum square wave response.

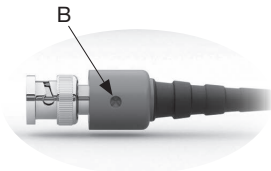
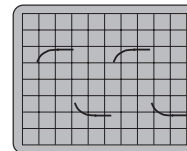
correct



incorrect



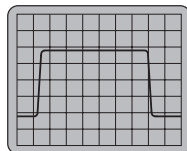
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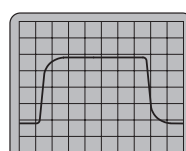
HF-adjustment (series RS-MF) 1MHz-compensation

Connect probe to a 1MHz square wave signal.
Adjust potentiometer (B) in BNC connector-box
for optimum square wave response.

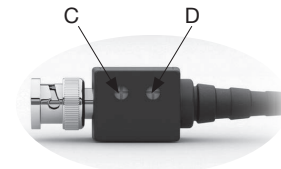
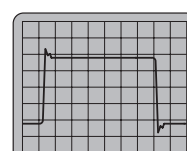
correct



incorrect



incorrect



HF-adjustment 1MHz (series RS-HF)

Connect probe to a 1MHz square wave signal.
Adjust trimmers (C) and (D) for optimum square wave
response. Trimmer (C) alters the lower frequencies and
trimmer (D) alters the leading edge.

Attention!

Never dismantle the probe while it is combined with the voltage source and only connect it to a **grounded oscilloscope**.