



# Modular Oscilloscope Probes



ENGLISH

| Type        | RS Part-No.: | Attenuation | Loading Input |        | Bandwidth (MHz) | Rise Time (ns) | Cable Length (m) |
|-------------|--------------|-------------|---------------|--------|-----------------|----------------|------------------|
|             |              |             | R (MΩ)        | 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              |

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|-----------------|-------------|----------------------|---------------|------|--------|------|-----------------|------|----------------|------|------------------|
|                 |             |                      | R (MΩ)        |      | C (pF) |      |                 |      |                |      |                  |
|                 |             |                      | 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 (VDC + Peak AC) derating with frequency!

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

FOR MORE INFORMATION VISIT [www.rs-components.com](http://www.rs-components.com)

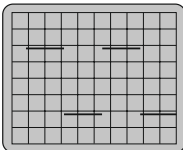




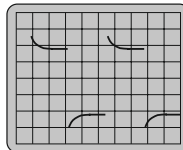
### probe adjustment (10:1 and 1:1/10:1) 1kHz-compensation

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

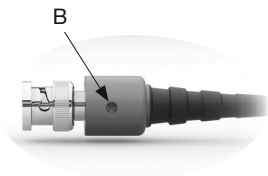
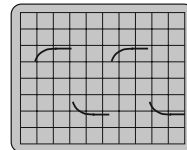
correct



incorrect



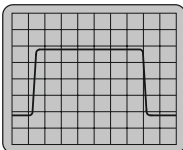
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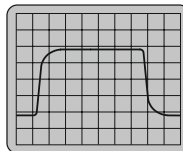
### HF-adjustment (series RS-MF) 1MHz-compensation

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

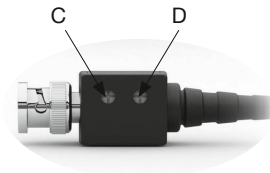
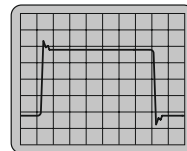
correct



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**.