



High Voltage Divider



This ultra fast voltage divider is designed for the measurement of short pulses up to a voltage of more than 35 kV. The response of the sensor is derivative therefore the signal measured with the high speed oscilloscope must be integrated. The integration can be active or passive (integrators available on request). Two versions with different types of connectors are available.

SPECIFICATIONS

Reference	VDOT8G	VDOT8GS
Type	V-Dot (voltage)	V-Dot (voltage)
Maximum voltage	25 kV, for a 1 ns pulse 20 kV, for a 10 ns pulse	35 kV, for a 1 ns pulse
Response	derivative	derivative
Frequency response	up to 8 GHz	up to 6 GHz
Risetime (10 – 90 %)	50 ps	60 ps
Impedance	50 ohm	50 ohm
Attenuation between input and output	< 0.1 dB	< 0.1 dB
Connector type (HV)	7/16 or HN	HVMEM50K
Connector type (measurement)	SMA	SMA
Weight	800 g	900 g
Dimensions (L x W x H)	7.2 x 5.1 x 6.2 cm	7.2 x 5.1 x 6.2 cm

Other models are available on request.