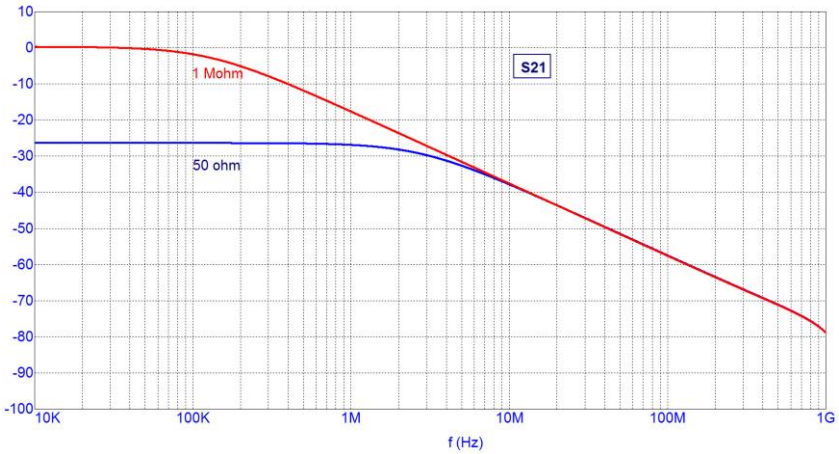
montena

Passive integrator



Our passive integrators are designed to be used with derivative sensors, such as field and current probes, for the measurement of fast pulsed signals. Connected to this type of sensors, passive integrators produce an overall flat response without the drawbacks of the numerical integration. The output of the passive integrator shall be connected directly to the high impedance input of a fast rise time oscilloscope or of a 1 MΩ to 50 Ω impedance converter.

SPECIFICATIONS

Model	ITR1-2U	ITR12U
Time constant	1.2 µs	12.0 µs
Frequency limit	1 GHz	150 MHz
Input impedance	50 Ω	
Output impedance	> 10 kΩ typically 1 MΩ	
Peak maximum input	1 kV (100 ns pulse)	
Dimensions	60 x 25 x 25 mm	
Weight	0.075 kg	
Input connector	N 50 Ω	
Output connector	BNC	

Other time constants available on request.

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