



Passive 10X Voltage Probe

TPP0051 Datasheet



TPP0051 Passive Voltage Probe

The TPP0051 probe is for use on BNC oscilloscopes with 1 M Ω /20 pF inputs.

Key performance specifications

- 10X attenuation
- 50 MHz bandwidth
- 1.3 m length
- UL61010-031; 2007, CAN/CSA C22.2 No. 61010-031-07, IEC61010-031; IEC 61010-031/A1:2008

Applications

- Low-frequency measurements
- Low-frequency computer and telecom measurements
- Power supplies
- Low-frequency amplifiers

Specifications

All specifications are guaranteed unless noted otherwise. All specifications apply to all models unless noted otherwise.

Electrical characteristics

Bandwidth	DC to 50 MHz
Rise time	<7 ns (typical)
Compensation range	15 pF to 25 pF
Input resistance	10 MΩ ±1.5%
Input capacitance	<12 pF (typical)
Propagation delay	~6.1 ns
Maximum input voltage	300 V _{RMS} CAT II

Physical characteristics

Cable length	1.3 m (4.2 ft)
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EMC, environment, and safety

Temperature range

Operating	10 °C to +55 °C (14 °F to 131 °F)
Nonoperating	-51 °C to +71 °C (-60 °F to 160 °F)

Operating and nonoperating	5% to 95% relative humidity (%RH) up to 30 °C (86 °F), 5% to 65% RH above +30 °C (86 °F) up to +55 °C (131 °F)
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Altitude

Operating	<3.0 km (9,842 ft)
Nonoperating	<12.2 km (40,026 ft)

