

# High-voltage Passive Probes

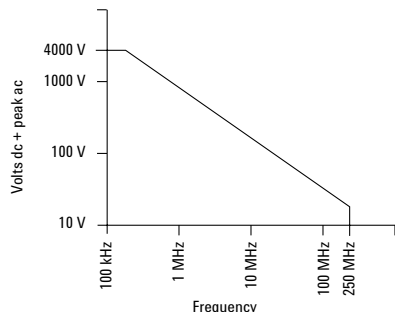
- Ideal for measuring up to 30 kV
- Up to 250 MHz bandwidth
- 100:1 or 1000:1 attenuation

## 10076A makes high-voltage measurements with ease

The Agilent 10076A 4 kV 100:1 passive probe gives you the voltage and bandwidth you need for making high-voltage measurements. Its compact design makes it easier to probe today's small power electronics components and its rugged construction means it can withstand rough handling without breaking.

### Specifications for Agilent Technologies 10076A High-Voltage Probe

Bandwidth	250 MHz (-3dB)
Risetime (Calculated)	< 1.4 ns
Attenuation Ratio	100:1
Input Resistance	66.7 M $\Omega$ (when terminated into 1 M $\Omega$ )
Input Capacitance	Approx 3 pF
Maximum Input	4000 Vpk
Compensation Range	6-20 pF
Probe Readout	Yes
Cable Length	1.8 m



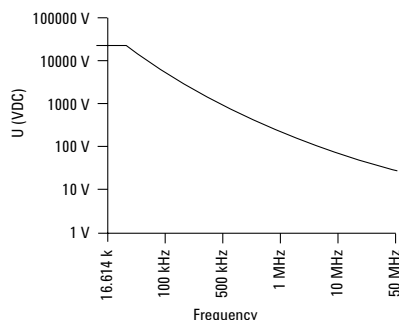
10076A Derating Curve

## N2771A High-voltage Probe

The N2771A is a 1000:1 divider probe for the measurement of fast high voltage signals. Up to 30 kV dc + peak ac, 10 kV rms.

The probe's large size and rugged construction provides superior protection. The ground lead is fed through the body of the probe and protrudes behind the safety barrier, keeping the ground connection away from the high voltage. Typical applications include PMT's, motor drives, high voltage switches, magnetrons and modern projection systems.

Bandwidth	50 MHz (-3dB)
Risetime	<7 ns
Attenuation Ratio	1000:1
Input Resistance	100 M $\Omega$ (when terminated into 1 M $\Omega$ )
Input Capacitance	1 pF
Compensation Range	7-25 pF
Max. Voltage	15 kV dc, 10 kV rms, 30 kV dc + peak ac
Operating Temperature	0°C to +50°C, 80% RH
Storage Temperature	-20°C to +70°C, 90% RH
Dimensions	2 cm (max width of probe stem after handle) x 33 cm 7.5 cm (max probe width at probe handle) x 33 cm



N2771A Derating Curve

## Ordering Information for Agilent Technologies High-voltage Probe

10076A	High-voltage probe includes one retractable hook tip, one ground bayonet, one IC probing tip, one alligator ground lead and a compensation screwdriver
N2771A	High-voltage probe includes alligator ground lead, 1 sharp probe tip
10077A	Accessory kit for 10076A includes one retractable pincher tip, one ground lead, one insulation cap, two measuring pins and two colored tags



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