TEKTRONIX

P2221

The Tektronix P2221 is a switchable passive oscilloscope probe offering 1X and 10X attenuation. It provides a bandwidth up to 200 MHz under 10X attenuation, making it ideal for general-purpose electronic measurements with compatible oscilloscopes.

SPECIFICATIONS

General

Interfaces	BNC

Physical

Operating Temperature	0 °C to +50 °C °C

Electrical Performance

Attenuation Ratio	1X / 10X (switchable)
Bandwidth (10X)	DC to 200 MHz
Bandwidth (1X)	DC to 6 MHz
Rise Time (10X)	< 1.75 ns
Rise Time (1X)	< 58 ns
Input Resistance (10X)	10 MΩ
Input Resistance (1X)	1 MΩ
Input Capacitance (10X)	17 pF (typical)
Input Capacitance (1X)	110 pF (typical)
Compensation Range	15 pF to 25 pF
Maximum Input Voltage (10X)	300 V RMS CAT II
Maximum Input Voltage (1X)	150 V RMS CAT II

Physical & Mechanical Characteristics

Cable Length	1.5 m
Connector Type	BNC

Environmental Specifications

Non-Operating Temperature Range	-40 °C to +71 °C
Operating Altitude	Up to 3,000 m (10,000 ft)
Non-Operating Altitude	Up to 15,240 m (50,000 ft)

Compliance

Safety Standards	UL 61010-031, CAN/CSA C22.2 No. 61010-031, EN 61010-031

Environmental

Operating Humidity	10% to 90% RH (0 °C to +40 °C); 10% to 60% RH (+40 °C to +50 °C)
Non-Operating Humidity	10% to 90% RH (0 °C to +40 °C); 10% to 60% RH (+40 °C to +71 °C)
Pollution Degree	2

Electrical

Scope Input Resistance	1 MΩ

TECHNOLOGY

Passive Voltage Probe

APPLICATIONS

Oscilloscope Measurements

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.