TEKTRONIX

P7360A

The Tektronix P7360A is a high-performance 6.0 GHz Z-Active differential oscilloscope probe designed for use with TekConnect-enabled oscilloscopes. Employing Z-Active probe architecture, the P7360A provides high DC input resistance alongside exceptionally low high-frequency loading (capacitance < 0.3 pF), making it an outstanding tool for demanding high-speed digital design, differential signaling, and debug applications.

SPECIFICATIONS

General

Interfaces	TekConnect Interface
ESD Tolerance (Human Body Model)	8 kV (typical)

Physical

Power Supply	Powered directly by host oscilloscope via TekConnect interface
Operating Temperature	0 °C to +40 °C °C
Weight	0.124 kg kg

Electrical Performance Specifications

Bandwidth	6.0 GHz
Rise Time (10% to 90%)	< 70 ps (typical)
Rise Time (20% to 80%)	< 50 ps (typical)
Attenuation Ratios	5X, 25X (user selectable)
DC Gain Accuracy	±2%
Differential Input Resistance	100 kΩ
Common Mode Input Resistance	50 kΩ
Differential Input Capacitance	< 0.3 pF (dependent on Z-Active tip cartridge used)

Voltage Range and Signal Limits

Differential Dynamic Range (5X)	2.0 V p-p (±1.0 V)
Differential Dynamic Range (25X)	10.0 V p-p (±5.0 V)
Common Mode Operating Range	+5.0 V to -4.0 V
Maximum Non-Destructive Input Voltage	±15 V (DC + Peak AC)

Common Mode Rejection Ratio (CMRR)

CMRR at DC	> 60 dB (typical)
CMRR at 1 MHz	> 55 dB (typical)
CMRR at 100 MHz	> 40 dB (typical)
CMRR at 1 GHz	> 30 dB (typical)
CMRR at 6 GHz	> 20 dB (typical)

Connectivity and Interfaces

Output Connection Interface Type	TekConnect Interface
Cable Length	1.3 m (50 in)
Auto-Scaling Support	Yes, automatic range and unit scaling supported on TekConnect hosts
Power Requirements	Host-supplied via TekConnect

Environmental and Safety Compliance

Non-Operating Temperature Range	-55 °C to +75 °C
Operating Humidity Range	0% to 90% RH up to +30 °C, 0% to 75% RH up to +40 °C (non-condensing)
Operating Altitude	Up to 3,000 m (10,000 ft)
Storage Altitude	Up to 15,240 m (50,000 ft)

Standard and Optional Accessories

Tip System Compatibility	Tektronix P7380A series Z-Active tip cartridges (including Solder-in, Y-Lead, SMA, and Hand-held)

Performance

Offset Range (5X)	±2.5 V
Offset Range (25X)	±12.5 V
Input Noise (5X)	< 4 mV RMS
Input Noise (25X)	< 20 mV RMS
Propagation Delay	5.3 ns
Delay Jitter	< 1 ps RMS (typical)

Compliance

Safety Compliance	UL61010-1, CAN/CSA-C22.2 No. 61010-1, EN 61010-1, IEC 61010-1

Outputs

Output Impedance	50 Ω

Environmental

Pollution Degree	Pollution Degree 2 (indoor use only)

TECHNOLOGY

Z-Active differential active probe

APPLICATIONS

High-speed digital design, differential bus measurements, serial bus debugging

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