TEKTRONIX

P6150

The Tektronix P6150 is a high-bandwidth, low-impedance (Zo) passive oscilloscope probe designed for high-frequency measurements. Offering a bandwidth of up to 9 GHz and very low capacitive loading, it is optimized for use with high-speed sampling systems and TDR plug-ins, featuring interchangeable screw-in attenuator tips (1X and 10X) and SMA-to-SMA cable connectivity.

SPECIFICATIONS

General

Interfaces	SMA

Electrical Performance

Attenuation Ratio	1X, 10X (interchangeable tips)
Bandwidth (-3 dB) at 10X	9 GHz
Bandwidth (-3 dB) at 1X	3 GHz
Rise Time (10% - 90%) at 10X	<39 ps
Rise Time (10% - 90%) at 1X	<115 ps
Input Resistance at 10X	500 Ω (when terminated into 50 Ω)
Input Resistance at 1X	50 Ω (when terminated into 50 Ω)
Input Capacitance at 10X	<0.15 pF
Maximum Input Voltage at 10X	12.5 V RMS

Physical & Mechanical Characteristics

Cable Type	SMA-to-SMA probe cable
Probe Tip Connection	Interchangeable screw-in attenuator tip assemblies

Ordering Information & Configurations

Target Instrument Compatibility	SD2X family of Sampling/TDR plug-ins

Standard Included Accessories

Standard Included Accessories	1X attenuator tip, 10X attenuator tip, SMA-to-SMA cable, assortment of circuit and grounding attachments

Physical

Cable Length	1.2 m

Connectivity

Output Connector Type	SMA

TECHNOLOGY

Low Impedance (Zo) Passive Probe

APPLICATIONS

High-speed digital design, sampling oscilloscope measurements, and TDR analysis

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