

TEKTRONIX

P6137

The Tektronix P6137 is a high-performance, 400 MHz passive voltage probe featuring a compact modular design. Engineered for high reliability with HYBRID/SMT circuitry, it is optimized for dense electronic layouts and includes 10X attenuation readout encoding to automatically scale oscilloscope measurements. It is designed to perfectly complement Tektronix 2400 Series analog and digital oscilloscopes.

SPECIFICATIONS

General

Interfaces	BNC with 10X attenuation readout pin
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Physical

Operating Temperature	-15 °C to +55 °C °C
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Electrical Performance

Attenuation Ratio	10X
Bandwidth (-3 dB)	400 MHz
Input Resistance (at DC)	10 MΩ
Readout Pin Support	Yes (10X attenuation readout encoding)

Physical & Mechanical Characteristics

Cable Length	1.5 m
Probe Construction	Modular Compact
Circuitry Type	HYBRID/SMT Circuitry

System Bandwidth & Compatibility

Compatible Oscilloscopes	Tektronix 2432, 2432A, 2432M, 2440, 2440MU, 2445B, 2465B, 2467B, 2467B/HD
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Standard Included Accessories

Adjustment Tool	Included
Retractable Hook Tip	Included
Ground Lead (2 in.)	Included
Ground Lead (6 in. with 0.025 in. square-pin receptacle)	Included
Ground Lead (6 in. with alligator clip)	Included
SMT KlipChip Adapter	Included
Low Inductance Lead Ground Collar	Included
Color Cable Marker Bands	4 pairs
Instruction Sheet	Included

Electrical Characteristics

Input Capacitance	10 pF (when compensated to 15 pF scope input)
Compensation Range	12 pF to 18 pF
Maximum Input Voltage	500 V (DC + peak AC) up to 1.5 MHz, derated to 12 V at 400 MHz
Rise Time	< 875 ps

Environmental

Non-Operating Temperature	-62 °C to +85 °C
Operating Altitude	Up to 4,500 m (15,000 ft)
Non-Operating Altitude	Up to 15,240 m (50,000 ft)
Pollution Degree	2
Operating Humidity	≤95% RH (+30 °C to +40 °C), ≤75% RH (+40 °C to +55 °C)

Physical Characteristics

Probe Tip Diameter	3.5 mm
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Compliance

Safety Compliance	UL3111-2-031, CSA C22.2 No. 1010.2.031, EN61010-2-031
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TECHNOLOGY

Passive Voltage Probe

APPLICATIONS

High-frequency signal measurement and general-purpose debugging

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