



P6139A.

Passive Voltage Probes

P6131 • P6133 • P6136 • P6137 • P6138A • P6139A • P5050

Features & Benefits

P6134C has been discontinued.

- Small Geometry Tips - Easier Circuit Access
- Readout for 10X Attenuation Factor - Reduces Confusion and Errors in Measurement Readings
- Flexible Lightweight Cable - Easier to Use and Reduces Mechanical Stress to Device Under Test
- HYBRID/SMT Circuitry - Provides Improved Performance and Reliability
- Modularity - Provides Lower Cost of Ownership
- Compact Size Accessories - Provides Compatibility with Existing Adapters
- UL3111-2-031, CSA1010.2.032, EN61010-2-031 (UL1244, CSA231 – P6137 only)

Applications

- High and Low Frequency Relative Measurements for:
 - Design
 - Service
 - Manufacturing



P6137.

This family of oscilloscope probes sets the standard for high performance passive voltage probes. Continued growth of the family paces Tektronix' new series of high performance bench top oscilloscopes, the TDS400/500/600/700/3000B/5000/7000B Series high performance portable oscilloscopes.

These probes feature modular construction, HYBRID/SMT circuitry, a smaller probe head/cable assembly than traditional passive probes, 10X attenuation readout encoding and a full complement of attachment accessories. Smaller probe tips and lightweight cable assemblies allow easy negotiation of dense

circuitry or tight spaces.

The compact probe head/tip assembly is compatible with the full line of compact accessories. When the Subminiature/Compact-to-miniature probe tip adapter (013-0202-03) is installed over the probe head/tip, the P5050, P6138A and P6139A probes are fully compatible with all miniature tip accessories.

The NEW P5050 probe is designed to provide 500 MHz bandwidth at the probe tip for the TDS5000 Series oscilloscopes. The P6139A probe has been designed to meet the signal path requirements of the TDS500/600/700/3000B/7000B Series of oscilloscopes. Similarly, the P6138A's design meets the TDS400 Series signal path requirements, helping to ensure the highest accuracy ever in a general purpose oscilloscope.



Product(s) are manufactured in ISO registered facilities.

60W-15107-1B, 06-JUN-2005



P6139A.

Product Information

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Characteristics

Type	Cable Length in Meters	Bandwidth MHz	Atten.	Comp. Range pF	Input C pF	System Input Resistance MΩ	Input Voltage	Readout ID/ Ground Ref.	Scope/ Product Compatibility
P6131	1.3	300	10X	14 to 18	10.8	10	150 V _{RMS} CATII	Y/N/N	2400 Series (2445, 2465)
P6133	2	150	10X	10 to 25	12.7	10	150 V _{RMS} CATII	Y/N/N	2400 Series (2430/A/M, 2445A, 2445B)
P6136	1.3	350	10X	12 to 18	10.8	10	150 V _{RMS} CATII	Y/N/N	2400 Series (2431L, 2439, 2455 A/B, 2465A, 2467)
P6137	1.5	400	10X	12 to 18	10.8	10	400 VDC + pkAC	Y/N/N	2400 Series (2432/A/M, 2440/MU, 2445B, 2465B, 2467B/HD)
P6138A	1.3	400	10X	12 to 18	10	10	300 V _{RMS} CATII	Y/N/N	TDS400 Series
P6139A	1.3	500	10X	8 to 12	8	10	300 V _{RMS} CATII	Y/N/N	TDS500, 600, 700, 7000B and 3000B Series
P5050	1.3	500	10X	16 to 22	11.1	10	300 V _{RMS} CATII	Y/N/N	TDS5000 Series

NOTE: Maximum voltage DC + peak AC ≤ 500.

CE



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