

# Trek Piezo Drivers

Trek has designed and developed a wide range of high-speed amplifiers that drive piezoelectric loads.

Model	Output Voltage (DC or peak AC)	Output Current (DC or peak AC)	Bandwidth* (DC to greater than)
603	0 to $\pm 125$ V range 0 to +250 V range 0 to -250 V range	$\pm 40$ mA DC $\pm 80$ mA peak AC	Large signal: 150 kHz (5% distortion)
601C	0 to $\pm 500$ V range 0 to +1 kV range 0 to -1 kV range	$\pm 10$ mA DC $\pm 20$ mA peak AC	Large signal: 8 kHz (1% distortion) Small signal: 30 kHz
2205	0 to $\pm 500$ V range	$\pm 40$ mA DC $\pm 80$ mA peak AC	Large signal: 75 kHz Small signal: 100 kHz
2210	0 to $\pm 1$ kV range	$\pm 20$ mA DC $\pm 40$ mA peak AC	Large signal: 40 kHz Small signal: 100 kHz
2220	0 to $\pm 2$ kV range	$\pm 10$ mA DC $\pm 20$ mA peak AC	Large signal: 7.5 kHz Small signal: 50 kHz
2100HF	0 to $\pm 150$ V range	$\pm 300$ mA DC	Large signal: 2.6 MHz Small signal: 3 MHz
PZD350A	0 $\pm 350$ V range 0 to +700 V range 0 to -700 V range	$\pm 200$ mA DC (bipolar) $\pm 100$ mA DC (unipolar) $\pm 100$ mA DC (unipolar)	Large signal: 250 kHz (bipolar) Small signal: 350 kHz (bipolar) See data sheet for unipolar specs
PZD350A M/S	0 to $\pm 350$ V range 0 to +700 V range 0 to -700 V range	$\pm 400$ mA DC (bipolar) $\pm 200$ mA DC (unipolar) $\pm 200$ mA DC (unipolar)	Large signal: 250 kHz (bipolar) Small signal: 350 kHz (bipolar) See data sheet for unipolar specs
PZD700A	0 to $\pm 700$ V range 0 to +1.4 kV range 0 to -1.4 kV range	$\pm 100$ mA DC (bipolar) $\pm 50$ mA DC (unipolar) $\pm 50$ mA DC (unipolar)	Large signal: 125 kHz (bipolar) Small signal: 200 kHz (bipolar) See data sheet for unipolar specs
PZD700A M/S	0 to $\pm 700$ V range 0 to +1.4 kV range 0 to -1.4 kV range	$\pm 200$ mA DC (bipolar) $\pm 100$ mA DC (unipolar) $\pm 100$ mA DC (unipolar)	Large signal: 150 kHz (bipolar) Small signal: 200 kHz (bipolar) See data sheet for unipolar specs
PZD2000A	0 to $\pm 2$ kV range	$\pm 200$ mA DC $\pm 400$ mA peak AC	Large signal: 60 kHz (3% distortion) Small signal: 100 kHz See data sheet for unipolar specs

\*Values are at -3dB unless otherwise stated

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TREK amplifiers feature a DC-stable, four-quadrant output stage to provide fast slew rate capability when driving reactive loads. Their capabilities include precise control of output voltages, Active Load Protection, Remote High-Voltage ON/OFF capability and AC Response Adjustment to optimize various load parameters.



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