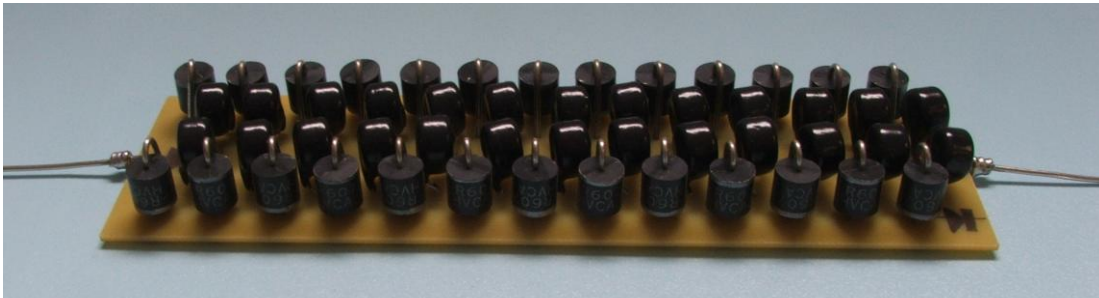
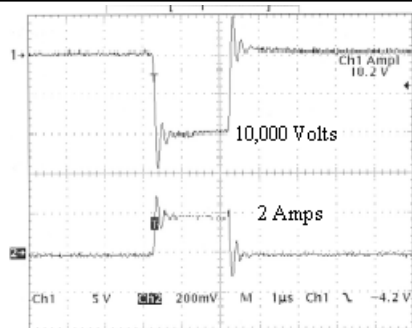


High Voltage Rectifier with MOV from Scanning Devices, Inc.

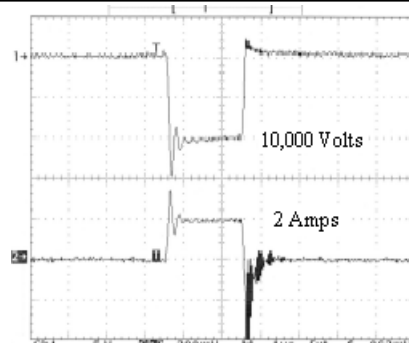


Part Number	Description
FR2	High Voltage Rectifier with MOV Reverse Voltage Protection, 5 Amp, 25KV
Physical Description:	
PCB:	7" L * 2" W (board thickness .063")
Component Layout:	26 Fast Recovery Diodes arranged in 2 rows of 13 with MOV reverse protection at each diode
Lead Length:	6 1/4"
Overall Length:	19 1/2"
Electrical Specifications: (Maximum Static DC Ratings)	
<p>Applied Forward Current – 5 Amps</p> <p>Result:</p> <ul style="list-style-type: none"> • Diode voltage 20.6 volts • Diode temperature: 200 degrees F • Muffin fan air cooling 	
<p>Applied Reverse Voltage – 25,000 volts</p> <p>Result:</p> <ul style="list-style-type: none"> • Diode voltage: -25,000 Volts • Diode leakage current: 86 micro Amps • Diode breakdown: -26,500 volts • Diode Temperature: ambient, 70 degrees F 	
<p>Pulsed Performance</p> <ul style="list-style-type: none"> • 2 micro second, -10,000 volt pulse applied 	

Graphics show pulse voltage excitation (upper), and current (lower). Left graphic is without diode, 5 Kohm resistor only. Right graphic includes diode.



2 microsecond pulse, 5 Kohm resistor, no diode



2 microsecond pulse, 5 Kohm resistor, FR1 diode