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Subject: Re: diodes

Posted by [PakProtector](#) on Sun, 20 Feb 2005 15:19:20 GMT

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I think the original app. required a PIV greater than 1kV. Silicon P-N junction diodes add their PIV when rigged in series. Picture this: increase inverse voltage across your 5408's in series. It builds until it reaches breakdown voltage on one. Current would flow and destroy one, but the second, running at less than breakdown PIV does not allow it to pass. One diode runs at breakdown PIV and the extra is taken across the next one. Since Schottkey types were not recommended for this service, I think they must short out in over-voltage failure, and fail in a domino falling scenario.

regards, Douglas

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