

Voltage Dependent Resistors

G D RECTIFIERS LTD

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VARISTORS FOR PROTECTING SEMICONDUCTORS

T-11-25

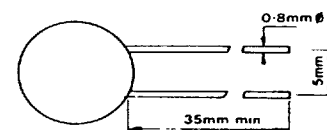
Varistors (voltage dependent resistors, non linear resistors) are suitable for limiting transient over-voltages in low-to-medium power semiconductor rectifiers and power control circuits.

These varistors are selected to match all commonly used voltage grades of rectifier diodes, thyristors, bridges, modules, etc.

Two types of varistor are available, silicon carbide and metal oxide.

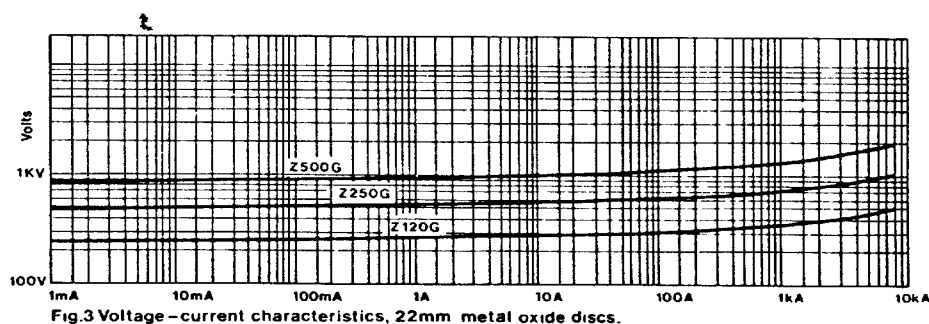
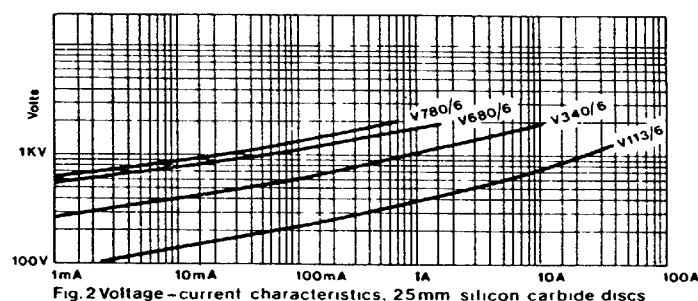
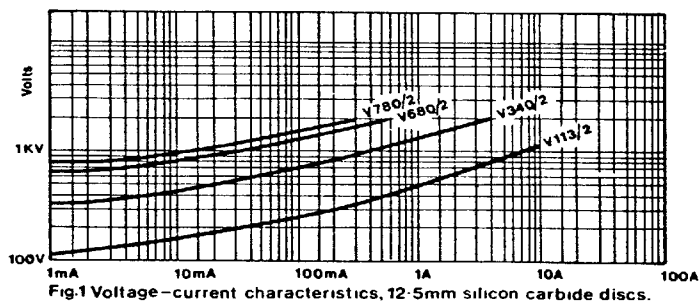
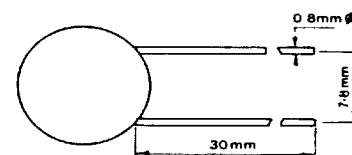
1. Silicon carbide see Figs. 1 & 2

Type	Operating Voltage V_{dc}/V_{RMS}	Test		Power rating Watts	Energy capacity Joules	Disc	
		Voltage V_{dc}	Current mA			dia mm	thick. mm
V113/2	80	113	1-2	0.8	18	12.5	2-4
V340/2	250	340	1-2	0.8	18	12.5	3-5
V680/2	480	680	1-2	0.8	18	12.5	3-5
V780/2	550	780	1-2	0.8	18	12.5	4-6
V113/6	80	113	3-6	2	100	25	2-4
V340/6	250	340	3-6	2	100	25	3-5
V680/6	480	680	3-6	2	100	25	4-7
V780/6	550	780	3-6	2	100	25	4-7



2. Metal oxide see Fig. 3

Type	Max. operating voltage		Min. voltage at 1mA	Power rating Watts	Energy capacity Joules	Disc	
	V_{RMS}	V_{dc}				dia. mm	thick. mm
Z120G	132	172	187	0.7	65	22	3
Z250G	275	358	389	0.8	110	22	3
Z500G	550	715	778	0.9	190	22	6



The policy of the Company is one of continuous improvement and we reserve the right to change specifications without notice.

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