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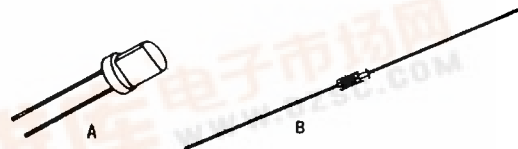
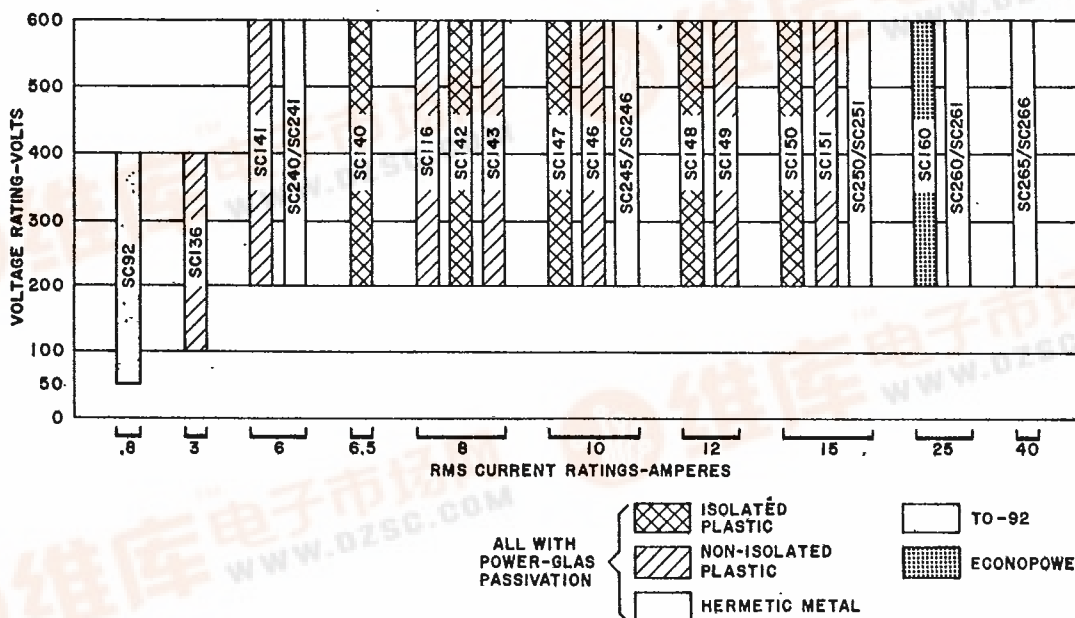
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TRIAC SELECTOR GUIDE



TRIAC TRIGGERS

The ST2 (diac) is a silicon bi-directional diode which may be used for triggering triacs or SCR's. It has a three layer structure with negative resistance switching characteristics in both directions.

The ST4 is an asymmetrical AC trigger integrated circuit for use in triac phase control applications. This device reduces the snap-on effects that are present in conventional trigger circuits by eliminating control circuit hysteresis. This performance is possible with a single RC time constant where as a symmetrical circuit of comparable performance would require at least three more passive components.

GE Type	V_{S2} Switching Voltage		V_{S1} Switching Voltage		I_{S2}, I_{S1} Switching Current Max. (μA)	Pulse Output Min. (V)	Package Outline No.
	Min. (V)	Max. (V)	Min. (V)	Max. (V)			
ST2	28 ¹	36 ¹	28 ¹	36 ¹	200	3.0	B,
ST4	7	9	14	18	80	3.5	A

¹ For ST2, $V_{S2} = V_S \pm 10\%$

BIDIRECTIONAL TRIGGER DIODE (DIAC)

	$V_{(RO)+}$ & $V_{(RO)-}$			I_{SO} MAX mA	$\Delta V \propto \Delta I$		V_{SYM} MIN VOLTS	P_{AV} MAX mW
	MIN VOLTS	TYP VOLTS	MAX VOLTS		MIN VOLTS	MIN mA		
ST2	28	32	36	1.0	6.0	10	5.0	150



case outline drawings

