



Teccor® SCR

TO-220AB
Isolated



Part Number: S6025L

I_t (RMS)	V_{drm} & V_{RRM}	I_{tsm}	I_{gt}	I_h	V_{tm}	dv/dt
A	V	A	mA	mA	V	V/ μ s
MAX	MIN	60 Hz	MAX	MAX	MAX	TYP
25	600	350	35	50	1.6	425

Notes:



Click on schematic
for larger view

- All measurements are made at 60 Hz with a resistive load at an ambient temperature of +25 °C unless otherwise specified.
- Operating temperature range (T_j) is -65 °C to +125 °C for TO-92 devices and -40 °C to +125 °C for all other packages.
- Storage temperature range (T_s) is -65 °C to +150 °C for TO-92 devices, -40 °C to +150 °C for TO-202 and TO-220 devices, and -40 °C to +125 °C for all others.
- Lead solder temperature is a maximum of 230 °C for 10 seconds maximum; $\geq 1/16$ " (1.59 mm) from case.
- The case temperature (T_c) is measured as shown on dimensional outline drawings. See [Package Dimensions](#).

General Description

The Teccor Electronics line of thyristor SCR semi-conductors are half-wave, unidirectional, gate-controlled rectifiers which complement Teccor's line of sensitive SCRs. Teccor offers devices with ratings of 1 to 70 amps and 50 to 800 volts, with gate sensitivities from 10 to 50 milliamps. If gate currents in the 12 to 500 microamp ranges are required, please consult Teccor's sensitive SCR technical data sheets.

Electrically Isolated Packages

Teccor's SCRs are available in a choice of nine different device packages. Four (of the eight) packages are offered in electrically isolated construction where the case or tab is internally isolated to allow the use of low-cost assembly and convenient packaging techniques.

Electrical Isolation

Teccor's isolated SCR packages will withstand a minimum high potential test of 2500 VAC(RMS) from leads to mounting tab over the device's operating temperature range.

The Teccor line of SCRs features glass passivated device junctions to ensure long term device reliability and parameter stability. Teccor's glass offers a rugged, reliable barrier against junction contamination.

Features

- Electrically-isolated package
- High voltage capability - 50 V up to 800 V
- High surge capability - up to 950 A
- Glass passivated chip

勝特力材料 886-3-5753170

勝特力电子(上海) 86-21-54151736

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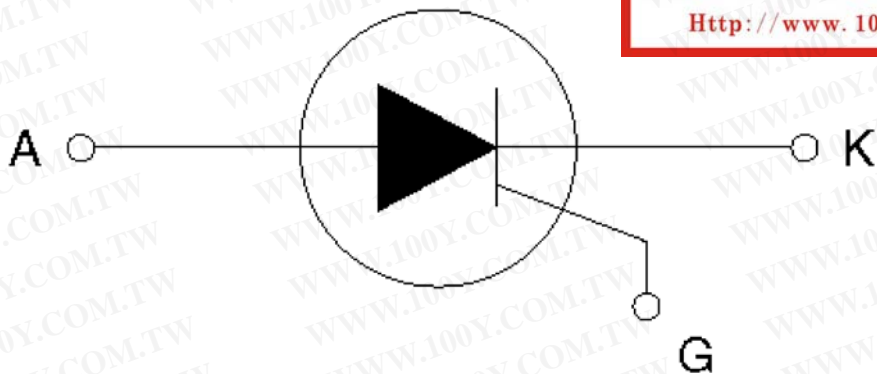
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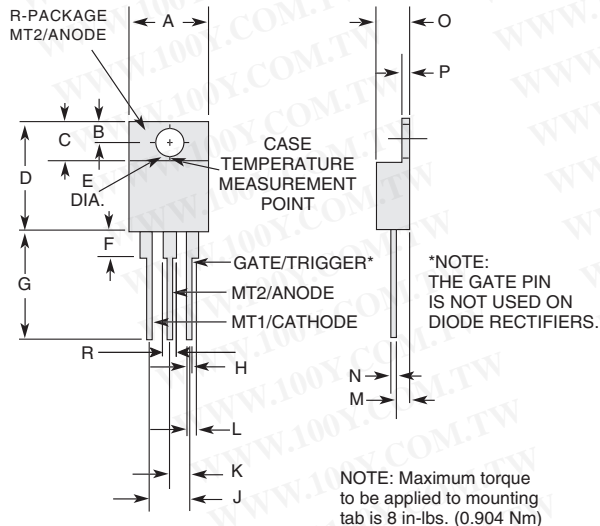
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“R” Package (Non-isolated Mounting Tab — Center Lead and Tab Common)
“L” Package (Isolated Mounting Tab)
TO-220AB



Dimension	Inches		Millimeters	
	MIN	MAX	MIN	MAX
A	0.380	0.420	9.65	10.67
B	0.105	0.115	2.66	2.92
C	0.230	0.250	5.85	6.35
D	0.590	0.620	14.98	15.75
E	0.142	0.147	3.61	3.73
F	0.110	0.130	2.80	3.30
G	0.540	0.575	13.71	14.60
H	0.025	0.035	0.63	0.89
J	0.195	0.205	4.95	5.21
K	0.095	0.105	2.41	2.67
L	0.060	0.075	1.52	1.91
M	0.070	0.085	1.78	2.16
N	0.018	0.024	0.45	0.61
O	0.178	0.188	4.52	4.78
P	0.045	0.060	1.14	1.53
R	0.038	0.048	0.97	1.22