

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

| Type Number  | SK53C       | SK54C | SK56C       | Units |  |
|--|-------------|-------|-------------|-------|--|
| Maximum Recurrent Peak Reverse Voltage   | 30          | 40    | 60          | V     |  |
| Maximum RMS Voltage  | 21          | 28    | 42          | V     |  |
| Maximum DC Blocking Voltage  | 30          | 40    | 60          | V     |  |
| Maximum Average Forward Rectified Current at $T_L$ (See Fig. 1)  | 5.0         |       | А           |       |  |
| Peak Forward Surge Current, 8.3 ms Single<br>Half Sine-wave Superimposed on Rated Load<br>(JEDEC method) | 100         |       | A           |       |  |
| Maximum Instantaneous Forward Voltage<br>(Note 1) @ 5.0A   | 0.55 0.75   |       | V           |       |  |
| Maximum DC Reverse Current @ T $_{A}$ =25°C at   | 0.5         |       |             | mA    |  |
| Rated DC Blocking Voltage @ T <sub>A</sub> =100°C  | 2           | 0     | 10          | mA    |  |
| Typical Thermal Resistance (Note 2) R $\theta$ JC  | 17          |       | °C/W        |       |  |
| R θ JA 55  |             |       |             | °C/W  |  |
| OperatingTemperature Range T <sub>J</sub>  | -55 to      | +125  | -55 to +150 | °C    |  |
| Storage Temperature Range Tstg   | -55 to +150 |       |             | °C    |  |

Notes: 1. Pulse Test with PW=300 usec, 1% Duty Cycle

2. Measured on P.C.Board with 0.55 x 0.55" (14 x 14mm) Copper Pad Areas.



