

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 Half Sine-wave Superimposed on Rated Load (JEDEC method)	100		A		
Maximum Instantaneous Forward Voltage (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 _A =100°C	2	0	10	mA	
Typical Thermal Resistance (Note 2) R θ JC	17		°C/W		
R θ JA 55				°C/W	
OperatingTemperature Range T _J	-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.



