MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.
Single phase half-wave 60Hz,resistive or inductive load,for capacitive load current derate by 20%.

	SYMBOLS	S1A	S1B	S1D	S1G	S1J	S1K	S1M	UNITS
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	Vpc	50	100	200	400	600	800	1000	VOLTS
Maximum average forward rectified current at TL=55°C	l(AV)	1.0						Amp	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	30.0						Amps	
Maximum instantaneous forward voltage at 1.0A	VF	1.1						Volts	
Maximum DC reverse current Ta=25°C at rated DC blocking voltage Ta=100°C	lR	5.0 50.0						μА	
Typical junction capacitance (NOTE 1)	Cı	15.0						pF	
Typical thermal resistance (NOTE 2)	Roja	75.0						°C/W	
Operating junction and storage temperature range	T _J ,Tstg	-65 to +175						°C	