

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%.

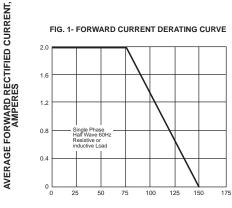
	SYMBOLS	S2A	S2B	S2D	S2G	S2J	S2K	S2M	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	Vrms	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	Vdc	50	100	200	400	600	800	1000	VOLTS
Maximum average forward rectified current at TL=75 $^{\circ}$ C	l(AV)	2.0						Amps	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	60.0						Amps	
Maximum instantaneous forward voltage at 2.0A	Vf	1.1							Volts
Maximum DC reverse currentTA=25℃at rated DC blocking voltageTA=100℃	lr	5.0 50.0						μΑ	
Typical junction capacitance (NOTE 1)	CJ	30.0						рF	
Typical thermal resistance (NOTE 2)	Reja	50.0						°C/W	
Operating junction and storage temperature range	Тј,Тѕтс	-65 to +150						°C	

Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2.P.C.B. mounted with 0.2x0.2" (5.0x5.0mm) copper pad areas

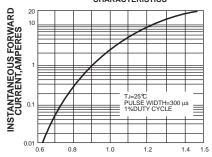


RATINGS AND CHARACTERISTIC CURVES S2A THRU S2M

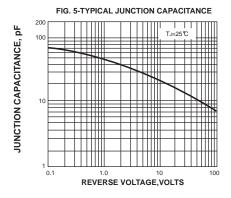


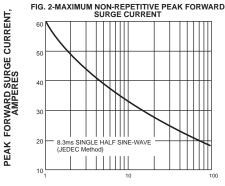
AMBIENT TEMPERATURE,°C





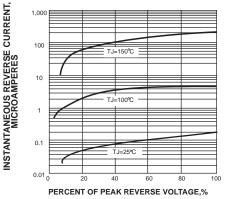
INSTANTANEOUS FORWARD VOLTAGE, VOLTS

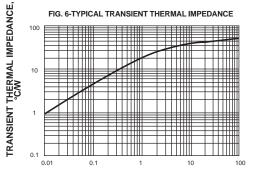




NUMBER OF CYCLES AT 60 Hz

FIG. 4-TYPICAL REVERSE CHARACTERISTICS





t,PULSE DURATION,sec.



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