



SS22 SS23 SS24 SS25 SS26 SS28 SS210 Schottky Barrier Rectifiers diode SMB



Specifications

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	SS22	SS23	SS24	SS25	SS26	SS28	SS210	UNITS
Maximum repetitive peak reverse voltage	V_{RRM}	20	30	40	50	60	80	100	VOLTS
Maximum RMS voltage	V_{RMS}	14	21	28	35	42	56	70	VOLTS
Maximum DC blocking voltage	V_{OC}	20	30	40	50	60	80	100	VOLTS
Maximum average forward rectified current at T_L (see fig.1)	I_{AV}	2.0							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	50.0							Amps
Maximum instantaneous forward voltage at 2.0A	V_F	0.45	0.55	0.70		0.85			Volts
Maximum DC reverse current $T_A=25^\circ\text{C}$ at rated DC blocking voltage $T_A=100^\circ\text{C}$	I_R	20			10				mA
Typical junction capacitance (NOTE 1)	C_J	220			180				pF
Typical thermal resistance (NOTE 2)	$R_{\theta JA}$	75.0							$^\circ\text{C/W}$
Operating junction temperature range	T_J	-65 to +125			-65 to +150				$^\circ\text{C}$
Storage temperature range	T_{STG}	-65 to +150							$^\circ\text{C}$

Note: 1 Measured at 1MHz and applied reverse voltage of 4.0V D.C.
2. P.C.B. mounted with 0.4x0.4"(10x10mm) copper pad areas