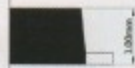
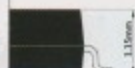


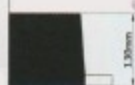
SOD-123SL



SOD123



SOD-123FL



ISO9001质量管理体系 注册编号: 00312Q20185R0M
ISO14001环境管理体系 注册编号: 00312E10075R0M

产品规格

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	STD 0.7A	STD 1A	FR 0.7A	FR 1A	HER 1A	SF 1A	SKY 1A	SKY 2A	SKY 3A	UNITS
Maximum repetitive peak reverse voltage	V_{RRM}	50~1000	50~1000	50~1000	50~1000	50~1000	50~600	20~200	20~200	20~60	Volts
Maximum RMS voltage	V_{RMS}	35~700	35~700	35~700	35~700	35~700	35~420	14~140	14~140	14~42	Volts
Maximum DC blocking voltage	V_{DC}	50~1000	50~1000	50~1000	50~1000	50~1000	50~600	20~200	20~200	20~60	Volts
Maximum average forward rectified current at $T_A=65^\circ\text{C}$ (NOTE 1)	$I_{(AV)}$	0.7	1.0	0.7	1.0	1.0	1.0	1.0	2.0	3.0	Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method) $T_L=25^\circ\text{C}$	I_{FSM}	25	25.0	25.0	25.0	25.0	25.0	25.0	40.0	80.0	Amps
Maximum instantaneous forward voltage	V_F	1.1	1.1	1.15	1.30	1.0~1.7	0.95~1.7	0.55~0.95	0.55~0.95	0.52~0.70	Volts
Maximum DC reverse current $T_A=25^\circ\text{C}$ at rated DC blocking voltage $T_A=100^\circ\text{C}$ at rated DC blocking voltage $T_A=125^\circ\text{C}$	I_R	10.0	10.0	10.0	5.0	5.0	5.0	0.2~0.5	0.2~0.5	0.5	μA (SKY mA)
Maximum reverse recovery time (NOTE 2)	T_{rr}			150~500	150~500	50~75	35	4	4	4	ns
Operating junction temperature range	T_J	-65 to +150	-65 to +150	-65 to +150	-65 to +150	-65 to +150	-65 to +150	-65 to +150	-65 to +150	-65 to +150	$^\circ\text{C}$
Storage temperature range	T_{STG}	-65 to +150	-65 to +150	-65 to +150	-65 to +150	-65 to +150	-65 to +150	-65 to +150	-65 to +150	-65 to +150	$^\circ\text{C}$

Note: 1.Averaged over any 20ms period.

2.Measured with $I_F=0.5\text{A}$, $I_R=1\text{A}$, $I_{rr}=0.25\text{A}$.