

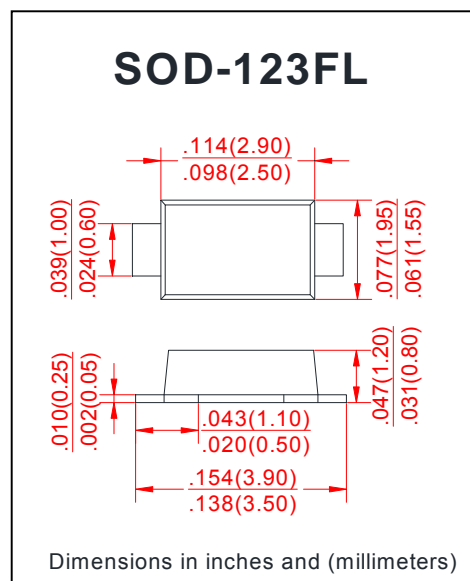


FEATURES

- Low profile surface mount package
- Built-in strain relief
- High switching speed
- Low voltage drop, high efficiency
- For use in low voltage high frequency inverters, Free willing, and polarity protection applications
- Guarding for over voltage protection

MECHANICAL DATA

- Case: Transfer molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Solder plated, solderable per MIL-STD-750 method 2026
- Polarity: Color band denotes cathode end



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 derate current by 20%.

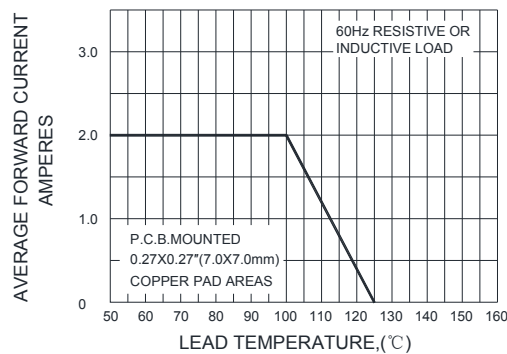
		SYMBOLS	K22	K23	K24	K25	K26	K28	K29	K210	K215	K220	UNIT
Maximum Repetitive Peak Reverse Voltage		V _{RRM}	20	30	40	50	60	80	90	100	150	200	Volts
Maximum RMS Voltage		V _{RMS}	14	21	28	35	42	56	63	70	105	140	Volts
Maximum DC Blocking Voltage		V _{DC}	20	30	40	50	60	80	90	100	150	200	Volts
Maximum Average Forward Rectified Current at T _L =105℃		I _(AV)	2.0										Amps
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		I _{FSM}	50										Amps
Maximum Instantaneous Forward Voltage @ 2.0A(Note1)		V _F	0.55			0.70		0.85			0.90		Volts
Maximum DC Reverse Current at rated DC Blocking Voltage per element	T _A = 25℃	I _R	0.5										mA
	T _A =100℃		20.0			10.0							
Operating Junction Temperature		T _J	-55 to +125										℃
Storage Temperature Range		T _{STG}	-55 to +150										℃

Notes:

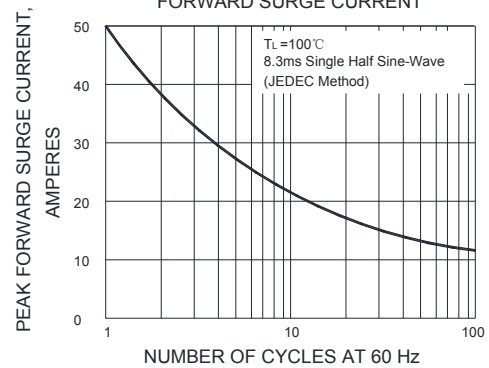
1. Pulse test: 300 μs pulse width, 1% duty cycle
2. PCB mounted with 0.28×0.28" (7.0×7.0mm) copper pads



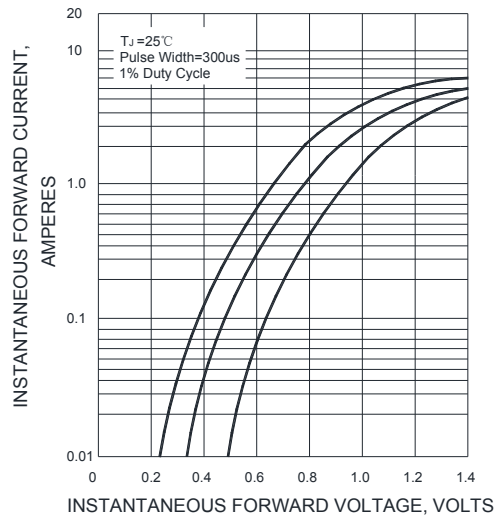
F1G.1-FORWARD CURRENT
DERATING CURVE



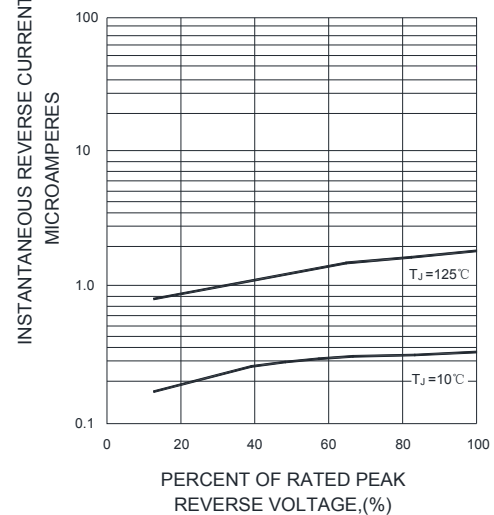
F1G.2-MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT



F1G.3-TYPICAL INSTANTANEOUS
FORWARD CHARACTERISTICS



F1G.4-TYPICAL REVERSE CHARACTERISTICS



F1G.5-TYPICAL JUNCTION CAPACITANCE

