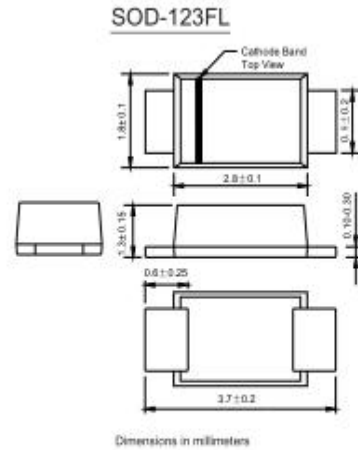


K22 - K220

Features

- Metal to silicon rectifier, majority carrier conduction.
- For use in low voltage, high frequency inverters free wheeling, and polarity protection applications.
- Low power loss, high efficiency.
- High current capability, low V_F .
- High surge capacity.
- Glass passivated



Schottky Rectifiers

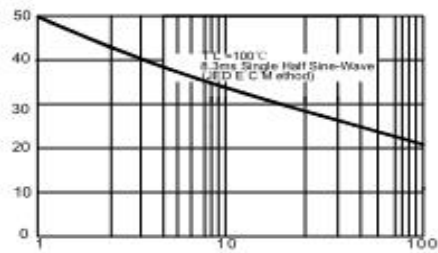
Absolute Maximum Ratings*

$T_A = 25^\circ\text{C}$ unless otherwise noted

CHARACTERISTICS	SYMBOL	K22	K23	K24	K25	K26	K28	K210	K215	K220	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	40	50	60	80	100	150	200	V
Maximum RMS Voltage	VRMS	14	21	28	35	42	56	70	100	125	V
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	80	100	150	200	V
Maximum Average Forward Rectified Current @ $T_L=100^\circ\text{C}$	I(AV)	2.0									A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed On Rated Load (JEDEC Method)	IFSM	60									A
Maximum Forward Voltage at 2.0A DC	V_F	0.45	0.5	0.55	0.7		0.85		0.92	0.95	V
Maximum DC Reverse Current @ $T_J=25^\circ\text{C}$ at Rated DC Blocking Voltage @ $T_J=100^\circ\text{C}$	IR	1.0 20									mA
Typical Junction Capacitance (Note1)	CJ	200									pF
Typical Thermal Resistance (Note2)	RθJL	15									$^\circ\text{C/W}$
Operating Temperature Range	TJ	-55 to +150									$^\circ\text{C}$
Storage Temperature Range	TSTG	-55 to +150									$^\circ\text{C}$

RATINGS AND CHARACTERISTIC CURVES (SS22 THRU SS210)

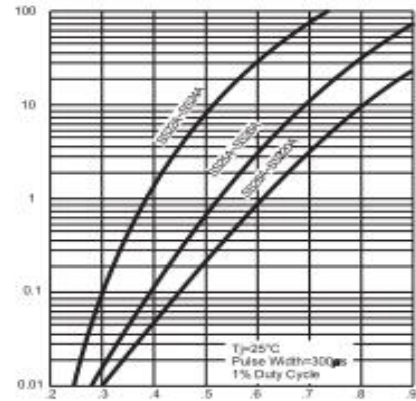
FIG.1- PEAK FORWARD SURGE CURRENT



NUMBER OF CYCLES AT 60Hz

FIG.2 – TYPICAL FORWARD CHARACTERISTICS

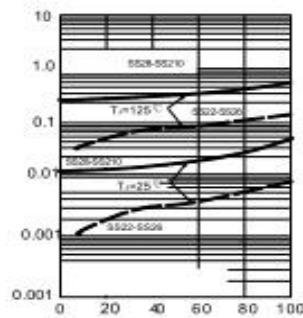
INSTANTANEOUS FORWARD
CURRENT, AMPERES



INSTANTANEOUS FORWARD VOLTAGE, VOLTS

FIG.3 – TYPICAL REVERSE CHARACTERISTICS

INSTANTANEOUS REVERSE
CURRENT, MICRO AMPERES



PERCENT OF RATED PEAK REVERSE VOLTAGE, %