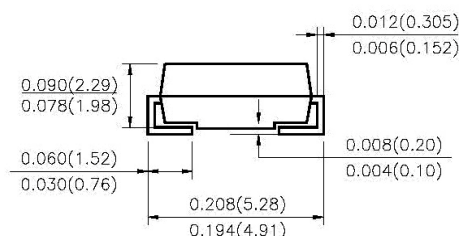
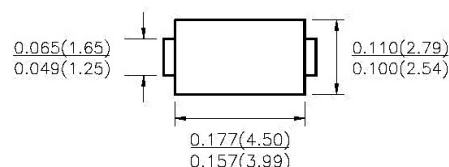


Kingtronics®**SS22A THRU SS210A****SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER****VOLTAGE RANGE** 20 to 100 Volts **CURRENT** 2.0 Ampere**FEATURES**

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
 Guardring 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
 Weight: 0.003 ounce, 0.093 gram

DO-214AC (SMA)

Dimensions in inches and (millimeters)

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%

PARAMETER	SYMBOL	SS 22A	SS 23A	SS 24A	SS 25A	SS 26A	SS 28A	SS 29A	SS 210A	UNIT	
Maximum Repetitive Peak Reverse Voltage	VRRM	20	30	40	50	60	80	90	100	Volts	
Maximum RMS Voltage	VRMS	14	21	28	35	42	56	63	70	Volts	
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	80	90	100	Volts	
Maximum Average Forward Rectified Current at TL see figure 1 TL =105°C	I(AV)	2.0								Amps	
Peak Forward Surge Current 8.3mS single half sine-wave superimposed on rated load (JEDEC method)	IFSM	50								Amps	
Maximum Instantaneous Forward Voltage @ 2.0A(Note1)	VF	0.55			0.70		0.85			Volts	
Maximum DC Reverse Current at rated.DC Blocking Voltage per element	IR	0.5									mA
		20.0			10.0						
Typical Thermal Resistance (Note 2)	RθJA	55								°C/W	
	RθJL	12									
Operating Junction Temperature	TJ	-55 to +125								°C	
Storage Temperature Range	TSTG	-55 to +150								°C	

1. Pulse test:300µs pulse width,1% duty cycle

2. PCB mounted with 0.2"×0.2"(5.0mm×5.0mm)copper pads

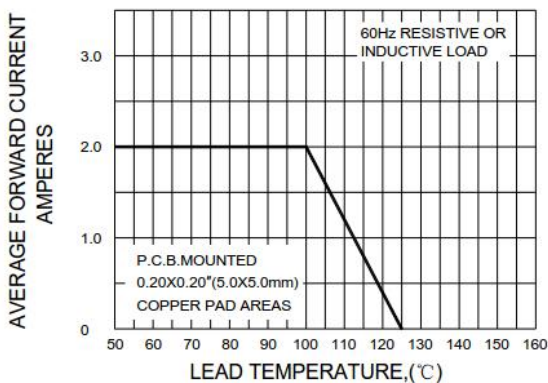
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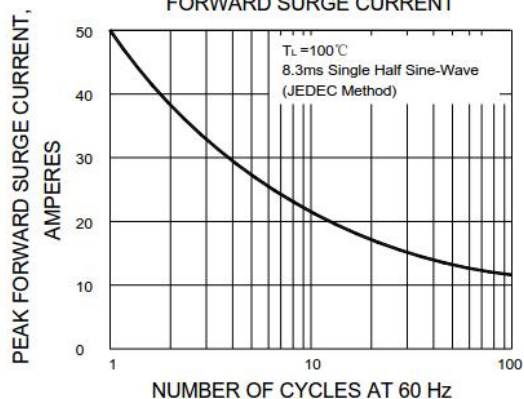
SS22A THRU SS210A

RATINGS AND CHARACTERISTIC CURVES

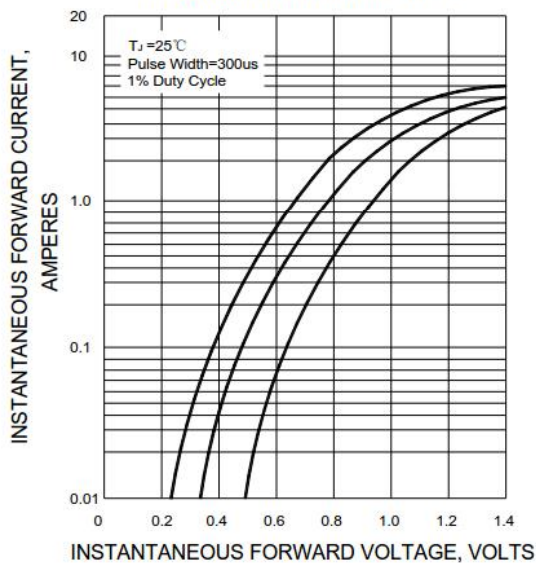
F1G.1-FORWARD CURRENT DERATING CURVE



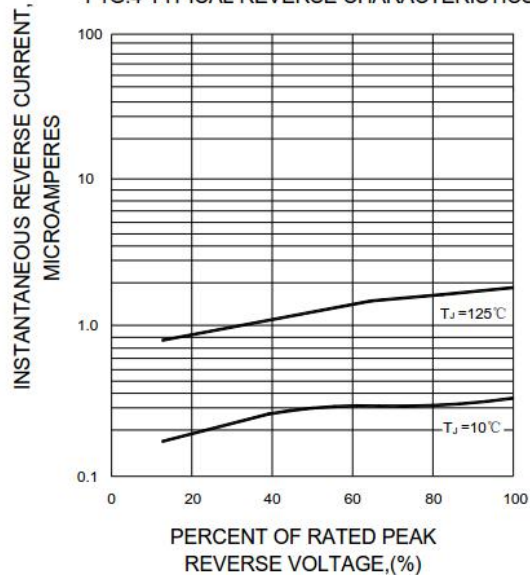
F1G.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



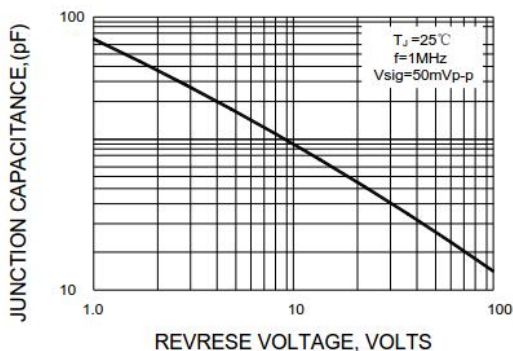
F1G.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS



F1G.4-TYPICAL REVERSE CHARACTERISTICS



F1G.5-TYPICAL JUNCTION CAPACITANCE



Note: Specifications are subject to change without notice.

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