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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Micro Commercial Components



Micro Commercial Components  
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# SK22-L THRU SK220-L

## Features

- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Low Forward Voltage
- Guard Ring Protection
- High Current Capability
- Extremely Low Thermal Resistance

## Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance: RthjL-15°C/W; Rthja-71°C/W

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SK22-L	SK22	20V	14V	20V
SK23-L	SK23	30V	21V	30V
SK24-L	SK24	40V	28V	40V
SK25-L	SK25	50V	35V	50V
SK26-L	SK26	60V	42V	60V
SK28-L	SK28	80V	56V	80V
SK210-L	SK210	100V	70V	100V
SK2150-L	SK2150	150V	105V	150V
SK220-L	SK220	200V	140V	200V

## Electrical Characteristics @ 25°C Unless Otherwise Specified

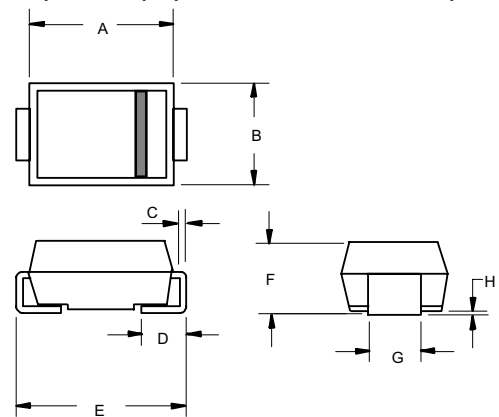
Average Forward Current	$I_{F(AV)}$	2.0A	$T_L = 105^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	50A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	$V_F$	SK22-SK24 SK25-SK26 SK28-SK210 SK2150-SK220	$I_{FM} = 2.0A$ ; $T_J = 25^\circ\text{C}^*$
		.50V	
		.70V	
		.85V	
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	SK22-SK24 SK25-SK210 SK2150-SK220	$T_J = 25^\circ\text{C}$
		2.0 mA	
		1.0 mA	
		0.5 mA	
Typical Junction Capacitance	$C_J$	SK22 SK23-SK210 SK2150-SK220	Measured at 1.0MHz, $V_R=4.0V$
		230pF	
		50pF	
		170 pF	

\*Pulse test: Pulse width 300  $\mu\text{sec}$ , Duty cycle 2%

Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

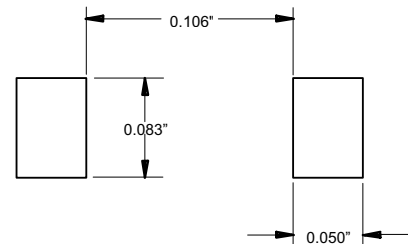
## 2 Amp Schottky Rectifier 20 to 200 Volts

### DO-214AA (SMB) (LEAD FRAME)



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.160	.185	4.06	4.70	
B	.130	.155	3.30	3.94	
C	.006	.012	0.15	0.31	
D	.030	.060	0.76	1.52	
E	.200	.220	5.08	5.59	
F	.079	.096	2.00	2.44	
G	.075	.087	1.91	2.21	
H	.002	.008	0.05	0.203	

### SUGGESTED SOLDER PAD LAYOUT



# SK22-L thru SK210-L

## Rating and Characteristic Curves

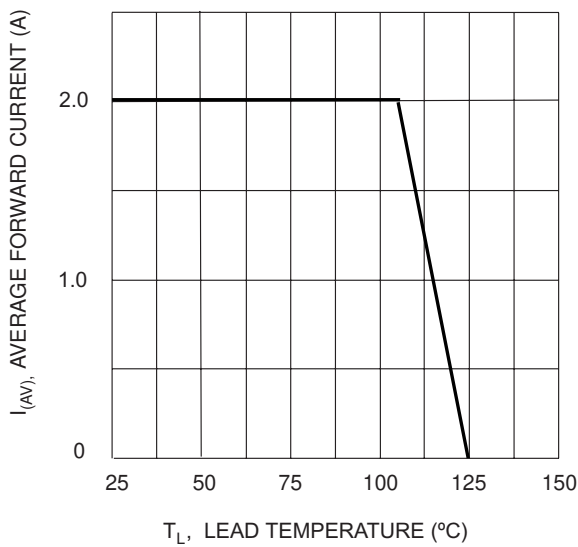


Fig. 1 Forward Current Derating Curve

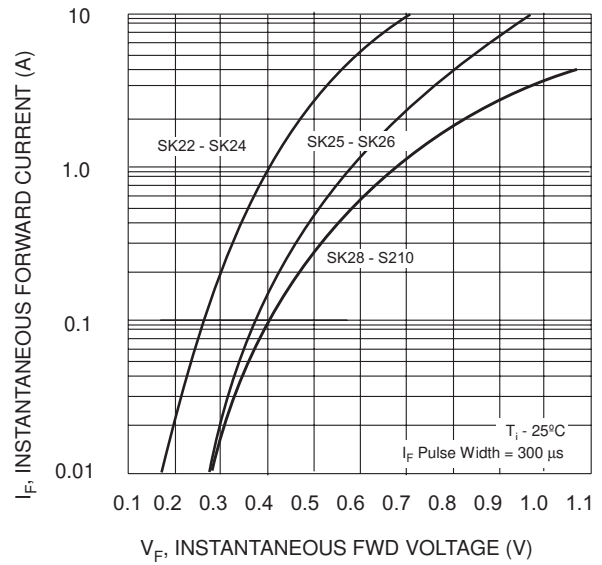


Fig. 2 Typ. Forward Characteristics

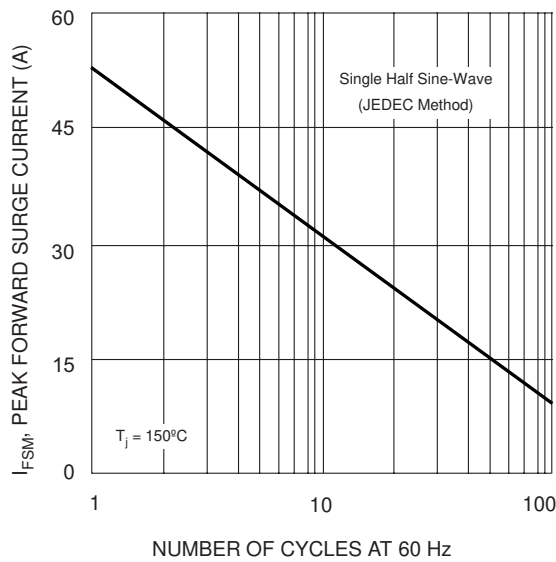


Fig. 3 Max Non-Repetitive Peak Fwd Surge Current

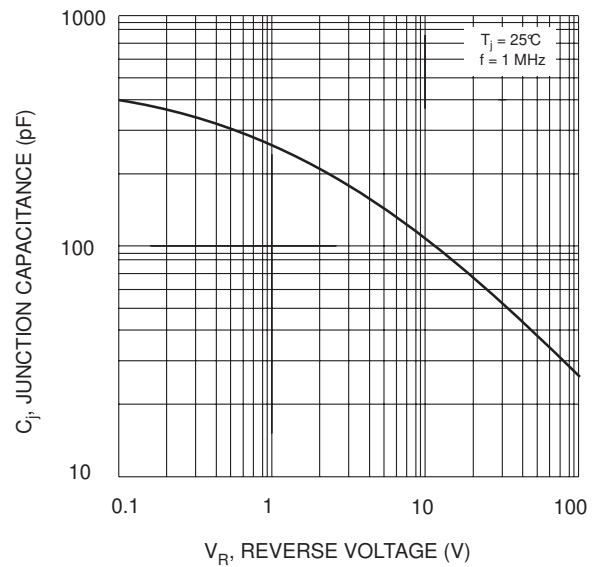


Fig. 4 Typical Junction Capacitance

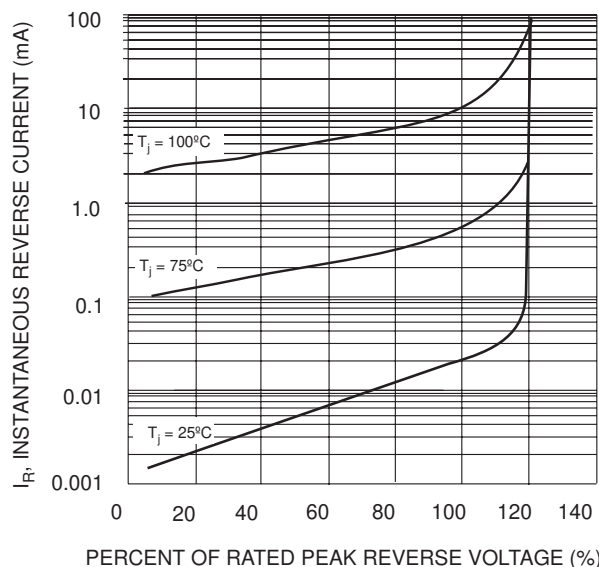


Fig. 5 Typical Reverse Characteristics



# SK2150-L thru SK220-L

## Rating and Characteristic Curves

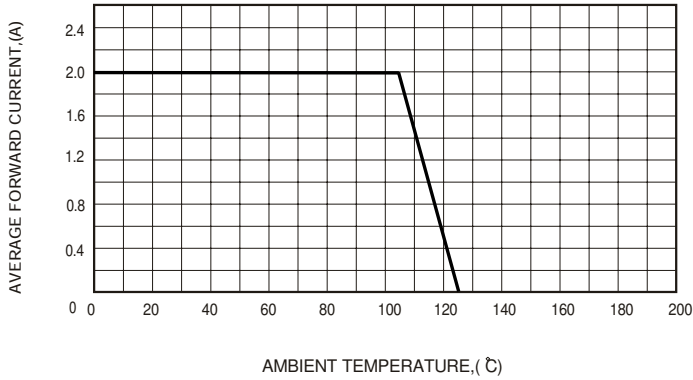


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

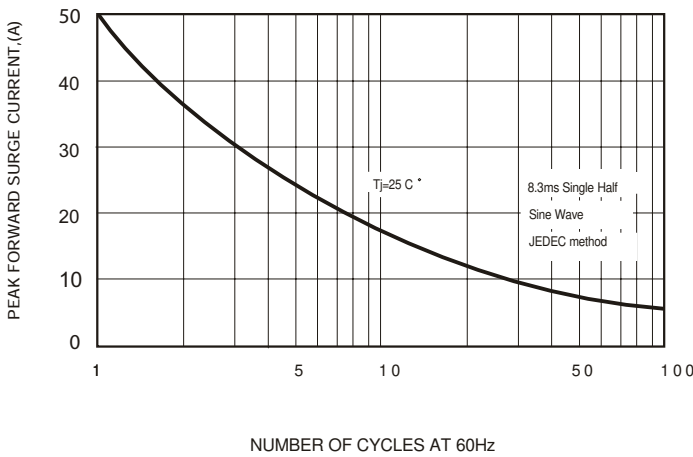


FIG.4-TYPICAL JUNCTION CAPACITANCE

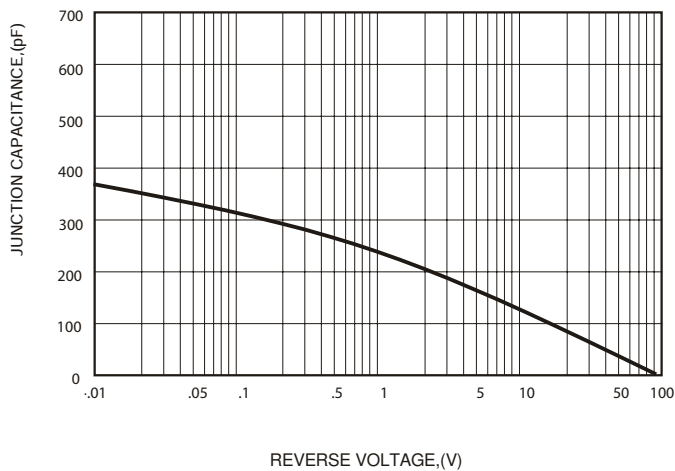


FIG.2-TYPICAL FORWARD CHARACTERISTICS

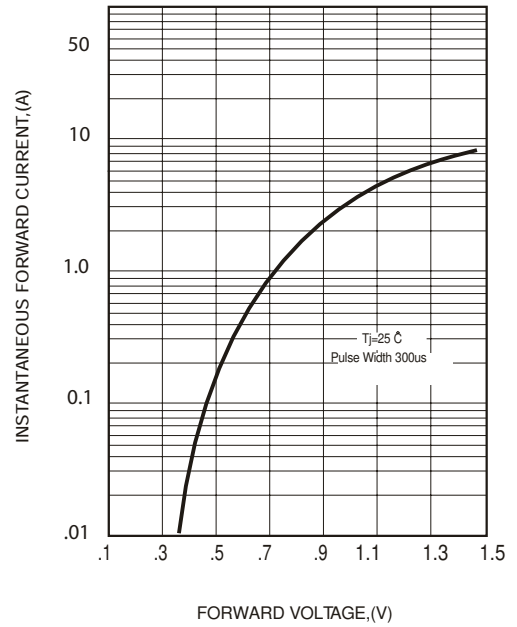
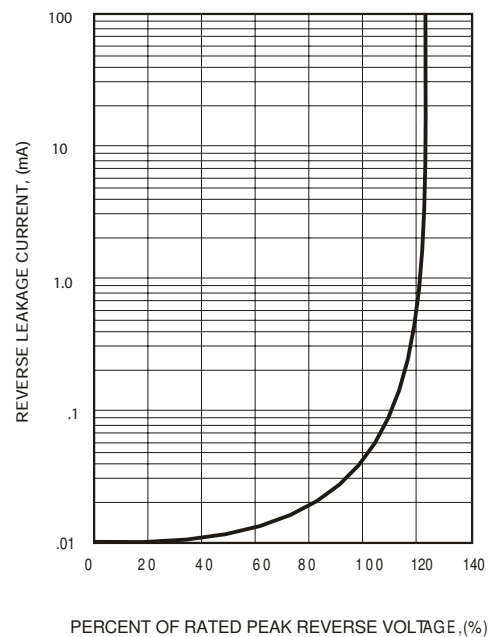


FIG.5 - TYPICAL REVERSE CHARACTERISTICS





Micro Commercial Components

### Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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