

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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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

Aaximum 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	Device	Maximum	Maximum	Maximum
Catalog	Marking	Recurrent	RMS	DC
Number		Peak Reverse	Voltage	Blocking
		Voltage		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

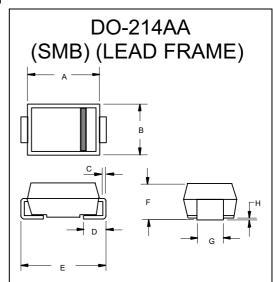
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward	$I_{F(AV)}$	2.0A	T _L = 105°C
Current			
Peak Forward Surge	I _{FSM}	50A	8.3ms, half sine
Current			
Maximum Instantaneous			
Forward Voltage			
SK22-SK24		.50V	
SK25-SK26	V_{F}	.70V	$I_{FM} = 2.0A;$
SK28-SK210		.85V	T _J = 25°C*
SK2150-SK220		.90V	
Maximum DC Reverse			
Current At Rated DC	I_R		T _J = 25°C
Blocking Voltage			
SK22-SK24		2.0 mA	
SK25-SK210		1.0 mA	
SK2150-SK220		0.5 mA	
Typical Junction			
Capacitance			
SK22	CJ	230pF	Measured at
SK23-SK210		50pF	1.0MHz, V _R =4.0V
SK2150-SK220		170 pF	

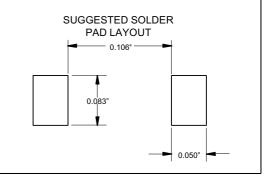
^{*}Pulse test: Pulse width 300 µsec, Duty cycle 2%

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

2 Amp Schottky Rectifier 20 to 200 Volts



DIMENSIONS						
	INCHES		MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.160	.185	4.06	4.70		
В	.130	.155	3.30	3.94		
С	.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		
Н	.002	.008	0.05	0.203		



SK22-L thru SK210-L Rating and Characteristic Curves



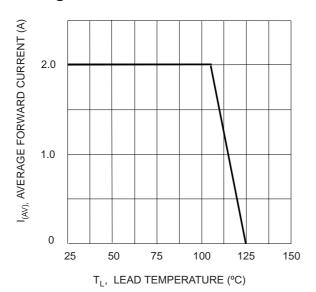


Fig. 1 Forward Current Derating Curve

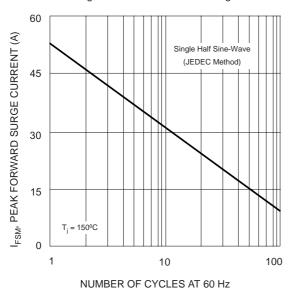
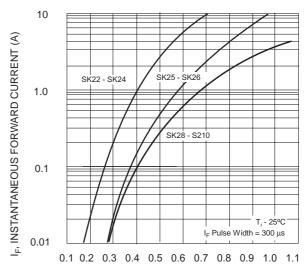


Fig. 3 Max Non-Repetitive Peak Fwd Surge Current



V_F, INSTANTANEOUS FWD VOLTAGE (V) Fig. 2 Typ. Forward Characteristics

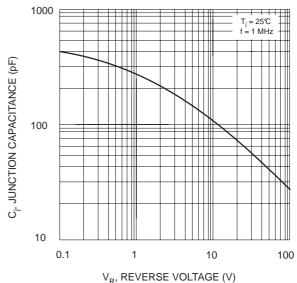
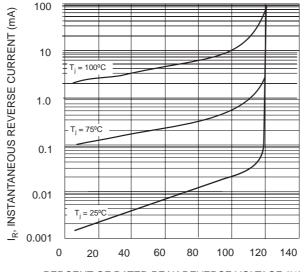


Fig. 4 Typical Junction Capacitance



PERCENT OF RATED PEAK REVERSE VOLTAGE (%) Fig. 5 Typical Reverse Characteristics



SK2150-L thru SK220-L Rating and Characteristic Curves

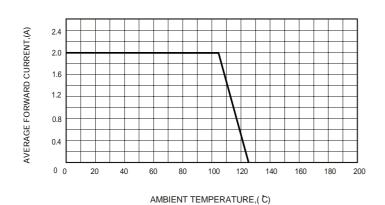
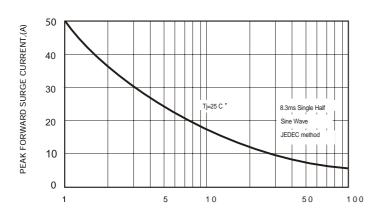


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT



NUMBER OF CYCLES AT 60Hz

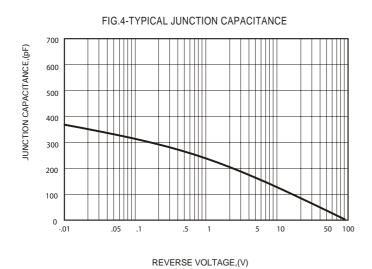


FIG.2-TYPICAL FORWARD
CHARACTERISTICS

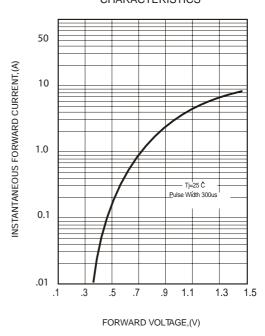
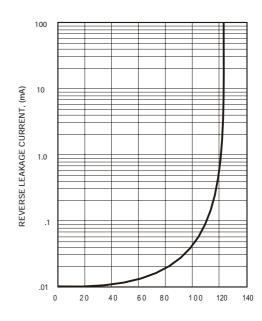


FIG.5 - TYPICAL REVERSE CHARACTERISTICS



PERCENT OF RATED PEAK REVERSE VOLTAGE,(%)



Ordering Information:

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

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