



Micro Commercial Components



Micro Commercial Components  
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**SK225L**

## Features

- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Schottky Barrier Rectifier
- Guard Ring Protection
- Low Forward Voltage
- High Current Capability
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

## Maximum Ratings

- Operating Temperature: -40°C to +125°C
- Storage Temperature: -40°C to +150°C
- Maximum Thermal Resistance; 15°C/W Junction To Lead

MCC catalog Number	Device Marking	Working Peak Reverse Voltage	Repetitive Peak Reverse Voltage
SK225L	225L	25V	25V

## Electrical Characteristics @ 25°C Unless Otherwise Specified

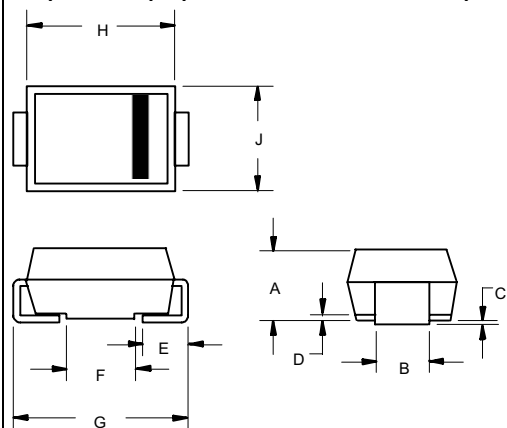
Average forward current	$I_{F(AV)}$	2A	$T_c = 105^\circ\text{C}$
Maximum surge current	$I_{FSM}$	50A	8.3ms, half sine,
Max peak forward voltage	$V_{FM}$	.55V	$I_{FM} = 2.0\text{A}; T_J = 25^\circ\text{C}^*$
Max peak reverse current	$I_{RM}$	500 $\mu\text{A}$	$V_{RRM}, T_J = 25^\circ\text{C}$
Typical junction capacitance	$C_J$	50pF	$V_R = 5.0\text{V}, 1\text{Mhz}$

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

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

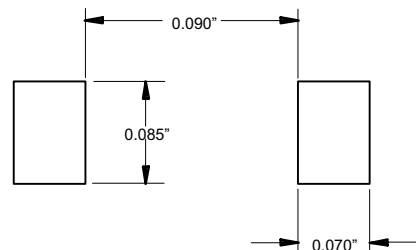
**2 Amp  
Schottky Rectifier  
25 Volts**

**DO-214AC  
(SMA) (LEAD FRAME)**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.079	.096	2.00	2.44	
B	.050	.064	1.27	1.63	
C	.002	.008	.05	.20	
D	---	.02	---	.51	
E	.030	.060	.76	1.52	
F	.065	.091	1.65	2.32	
G	.189	.220	4.80	5.59	
H	.157	.181	4.00	4.60	
J	.090	.115	2.25	2.92	

**SUGGESTED SOLDER  
PAD LAYOUT**



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Revision: A

# SK225L

Figure 1  
Typical Forward Characteristics

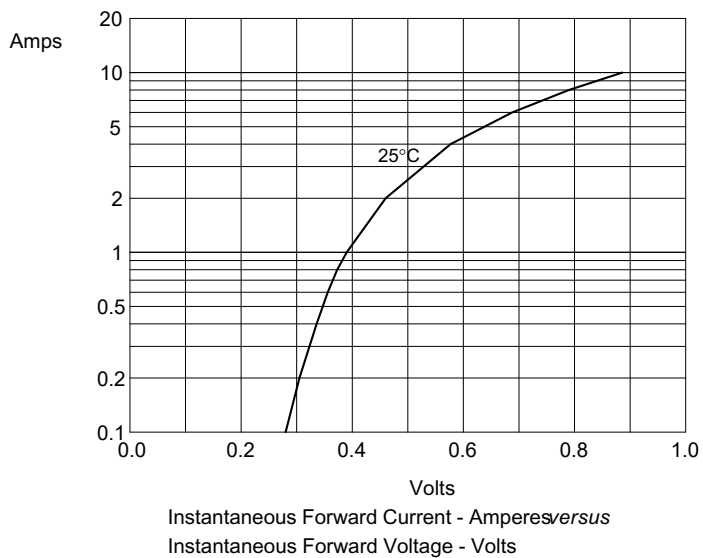


Figure 2  
Maximum Nonrepetitive Surge Current

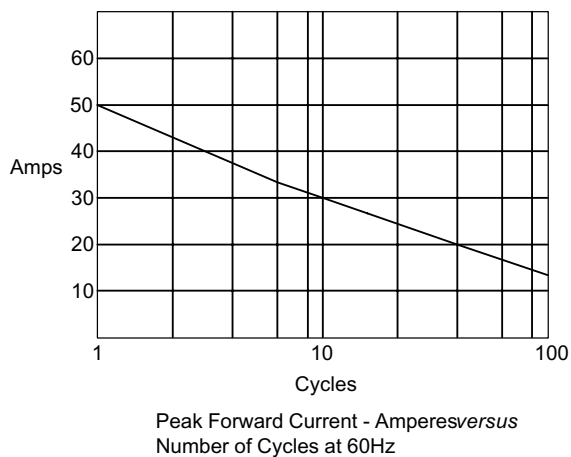


Figure 3  
Typical Reverse Characteristics

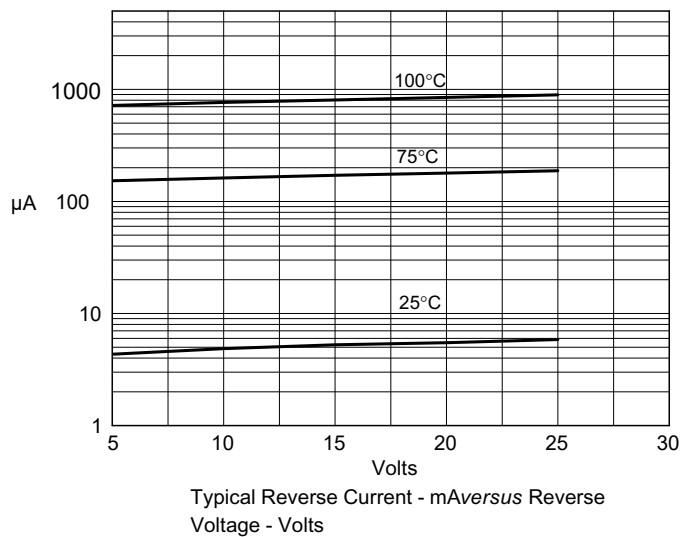
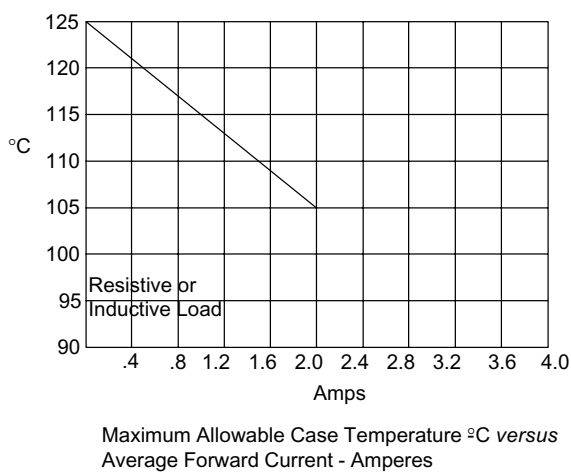


Figure 4  
Forward Current Derating



## Ordering Information :

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

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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