Micro Commercial Components

Micro Commercial Components
20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

SK225L

2 Amp
Schottky Rectifier
25 Volts

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

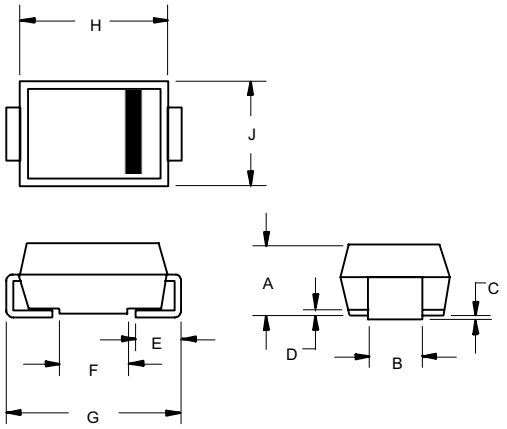
Electrical Characteristics @ 25°C Unless Otherwise Specified

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

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

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

DO-214AC
(SMA) (LEAD FRAME)



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
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

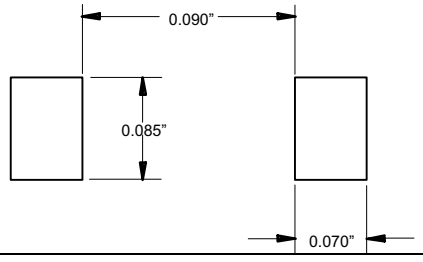
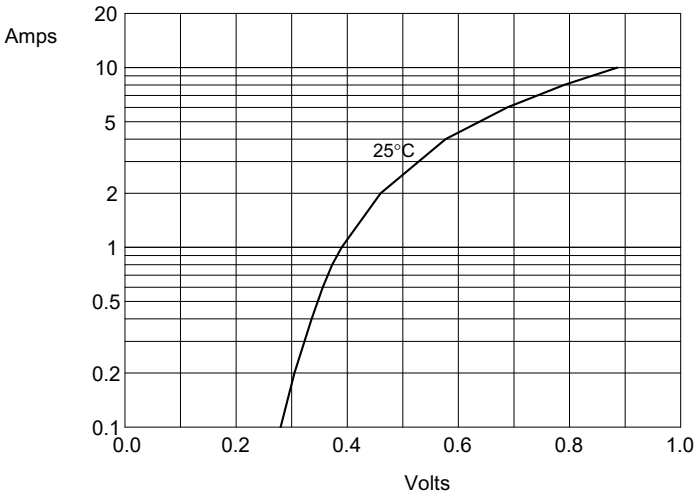
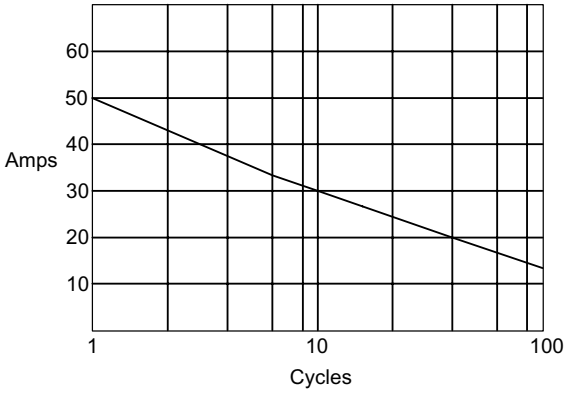


Figure 1
Typical Forward Characteristics



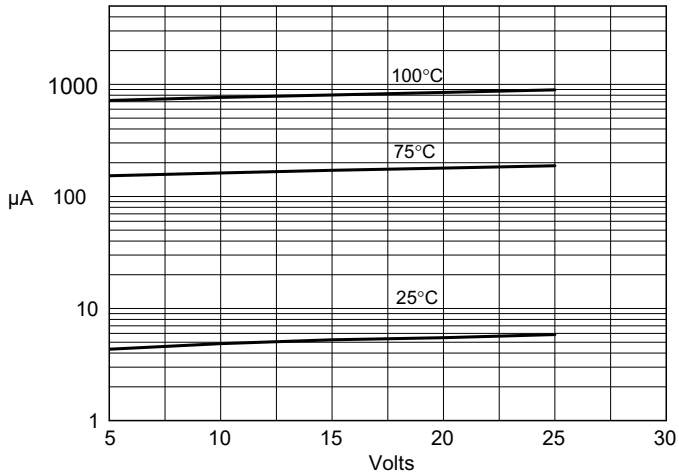
Instantaneous Forward Current - Amperes*versus*
Instantaneous Forward Voltage - Volts

Figure 2
Maximum Nonrepetitive Surge Current



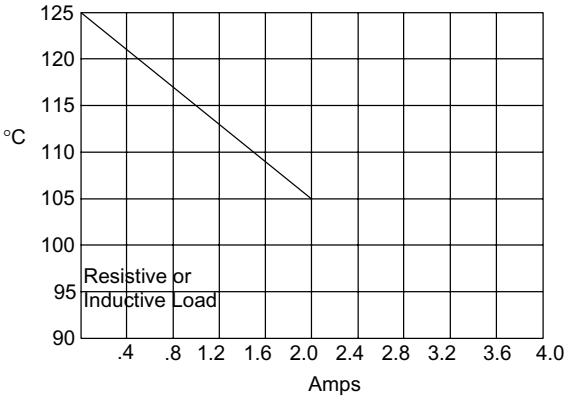
Peak Forward Current - Amperes*versus*
Number of Cycles at 60Hz

Figure 3
Typical Reverse Characteristics



Typical Reverse Current - mA*versus* Reverse
Voltage - Volts

Figure 4
Forward Current Derating



Maximum Allowable Case Temperature ºC *versus*
Average Forward Current - Amperes

Micro Commercial Components

Ordering Information :

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

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

*****IMPORTANT NOTICE*****

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications , enhancements , improvements , or other changes . ***Micro Commercial Components Corp .*** does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights ,nor the rights of others . The user of products in such applications shall assume all risks of such use and will agree to hold ***Micro Commercial Components Corp .*** and all the companies whose products are represented on our website, harmless against all damages.

*****LIFE SUPPORT*****

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

*****CUSTOMER AWARENESS*****

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. **MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources.** MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.