·M·C·C·®

Micro Commercial Components

RoHS
COMPLIANT

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

**2 Amp
Schottky Rectifier
25 Volts**

DO-214AC (SMA) (LEAD FRAME)

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

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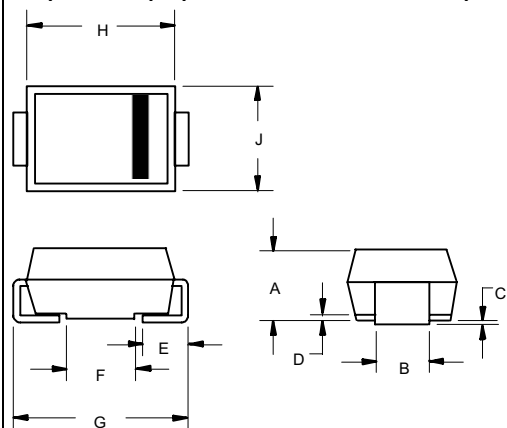
Average forward current	$I_{F(AV)}$	2A	$T_c = 105°C$
Maximum surge current	I_{FSM}	50A	8.3ms, half sine,
Max peak forward voltage	V_{FM}	.55V	$I_{FM} = 2.0A$; $T_J = 25°C*$
Max peak reverse current	I_{RM}	500µA	V_{RRM}, $T_J = 25°C$
Typical junction capacitance	C_J	50pF	$V_R = 5.0V$,1Mhz

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

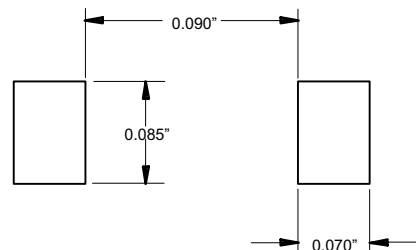Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

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

0.090"

0.085"

0.070"

SK225L

Figure 1
Typical Forward Characteristics

Amps

25°C

Volts

Instantaneous Forward Current - Amperes*versus*
Instantaneous Forward Voltage - Volts
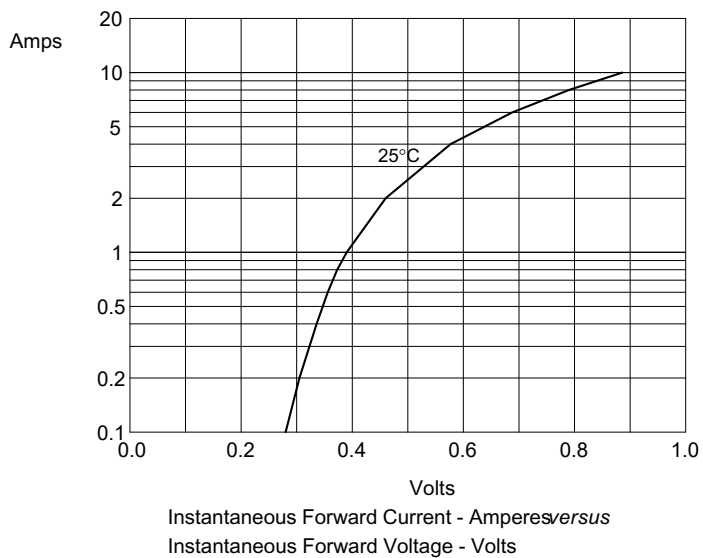
Figure 2
Maximum Nonrepetitive Surge Current

Amps

Cycles

Peak Forward Current - Amperes*versus*
Number of Cycles at 60Hz
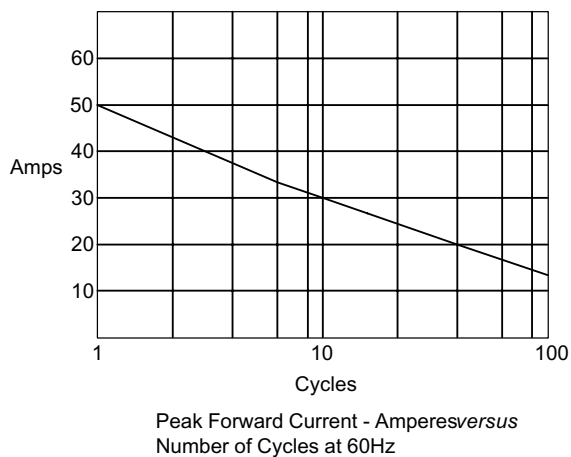
Figure 3
Typical Reverse Characteristics

100°C

75°C

μA

25°C

Volts

Typical Reverse Current - mA*versus* Reverse
Voltage - Volts
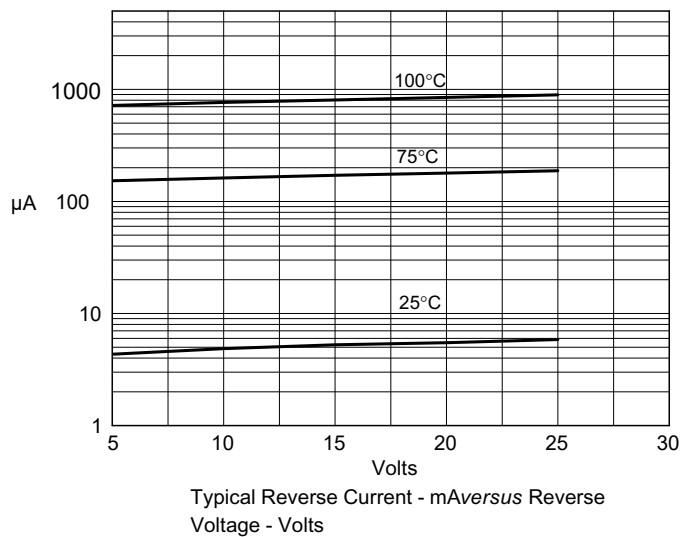
Figure 4
Forward Current Derating

°C

Resistive or
Inductive Load

Amps

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

![M·C·C Micro Commercial Components logo]
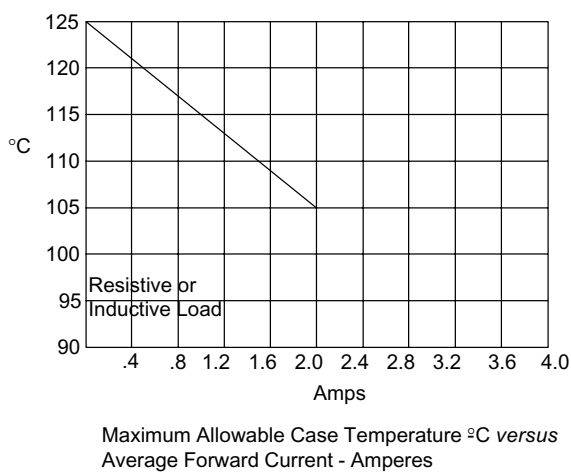
Ordering Information :

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

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

www.mccsemi.com