NOT RECOMMENDED FOR NEW DESIGNS
USE SK22-LTP~SK210-LTP SERIES

Micro Commercial Components

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SK22 THRU SK210

2 Amp Schottky Rectifier 20 to 100 Volts

Features

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

Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 15°C/W Junction To Lead

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

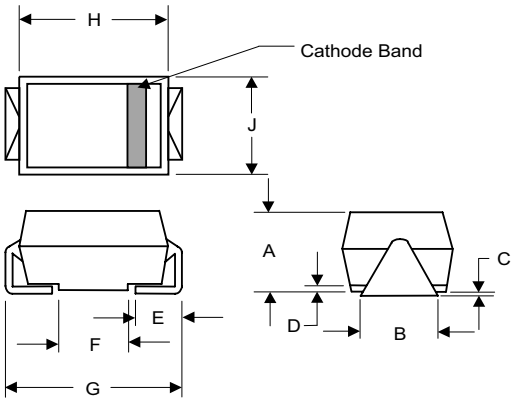
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	2.0A	T_J = 90°C
Peak Forward Surge Current	I_{FSM}	50A	8.3ms, half sine
Maximum Instantaneous Forward Voltage SK22-SK24 SK25-SK26 SK28-SK210	V_F	 .55V .70V .85V	 I_{FM} = 2.0A; T_J = 25°C*
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	0.5 mA	T_J = 25°C
Typical Junction Capacitance SK22 SK23-SK210	C_J	 230pF 50pF	 Measured at 1.0MHz, V_R=4.0V

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

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

DO-214AA
(HSMB) (Round Lead)



DIM	INCHES MIN	INCHES MAX	MM MIN	MM MAX	NOTE
A	.078	.116	1.98	2.95	
B	.075	.089	1.90	2.25	
C	.002	.008	.05	.20	
D	-----	.02	-----	.51	
E	.035	.055	.90	1.40	
F	.065	.091	1.65	2.32	
G	.205	.224	5.21	5.69	
H	.160	.180	4.06	4.57	
J	.130	.155	3.30	3.94	

SUGGESTED SOLDER PAD LAYOUT

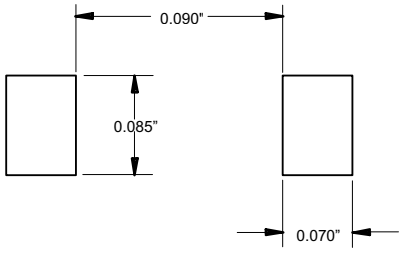
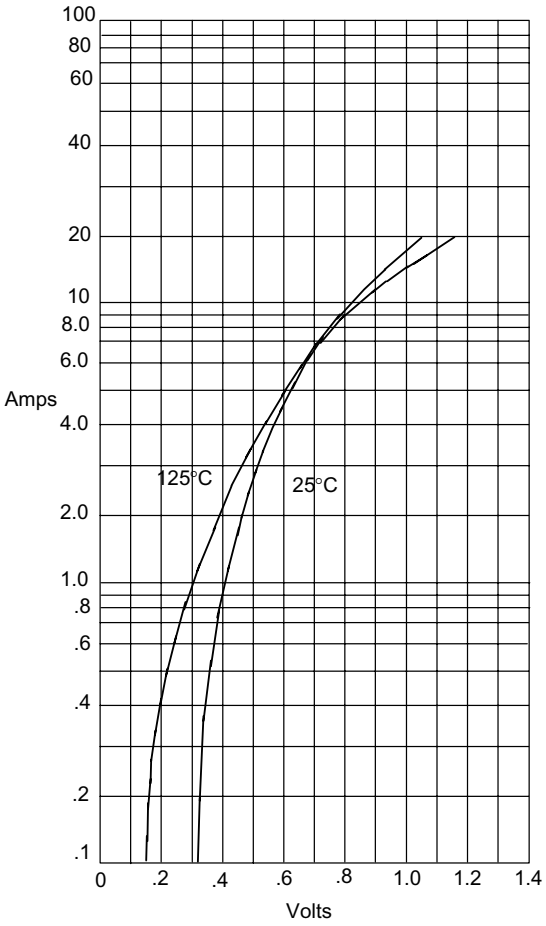
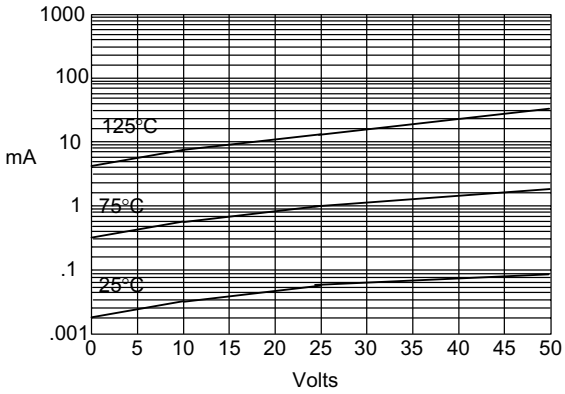


Figure 1
Typical Forward Characteristics



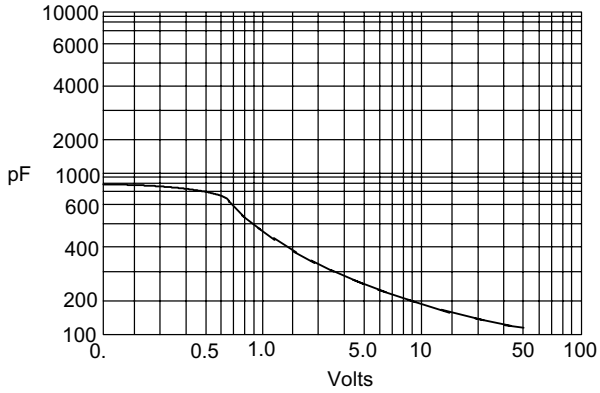
Instantaneous Forward Current - Amperes*versus*
Instantaneous Forward Voltage - Volts

Figure 2
Typical Reverse Characteristics



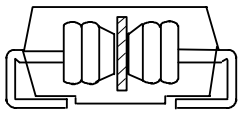
Typical Reverse Current - mA*versus*
Reverse Voltage - Volts

Figure 3
Typical Junction Capacitance



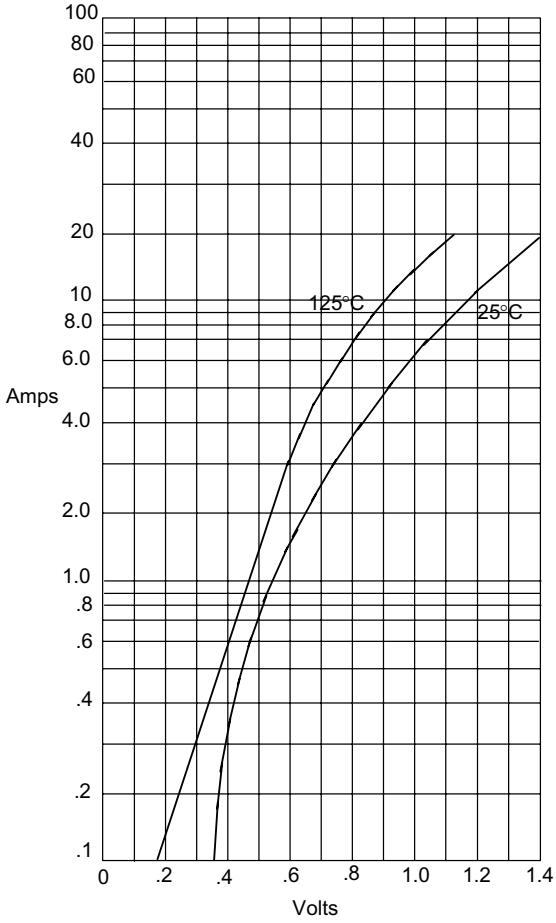
Junction Capacitance - pF*versus*
Reverse Voltage - Volts

Figure 4
New SMB Assembly



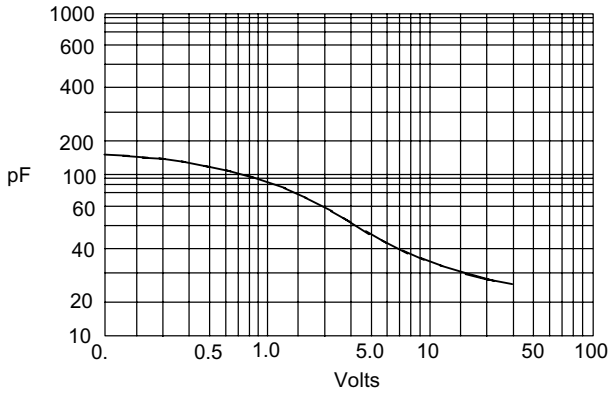
Round Lead
Process

Figure 1
Typical Forward Characteristics



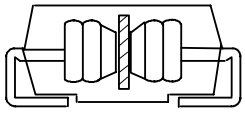
Instantaneous Forward Current - Amperes*versus*
Instantaneous Forward Voltage - Volts

Figure 3
Typical Junction Capacitance



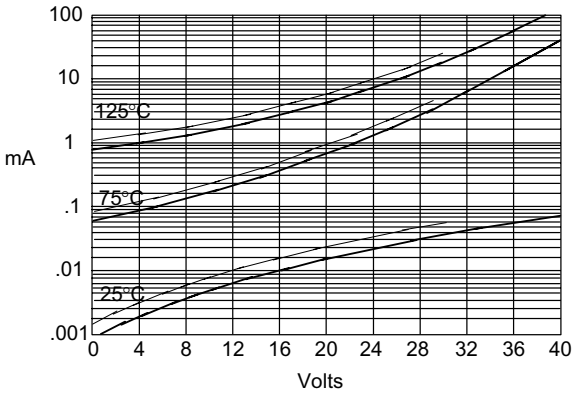
Junction Capacitance - pF*versus*
Reverse Voltage - Volts

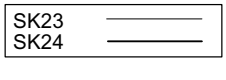
Figure 4
New SMB Assembly



Round Lead
Process

Figure 2
Typical Reverse Characteristics





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

Micro Commercial Components

Ordering Information :

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

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