

Micro Commercial Components



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Features

- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"
- High Current Capability With Low Forward Voltage
- High Temp Soldering: 260 °C for 10 Seconds At Terminals
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Max IdS

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C Maximum Thermal Resistance :20°C/W Junction To Case
- Maximum Thermal Resistance :10°C/W Junction To Lead
- Maximum Thermal Resistance :55°C/W Junction To Ambiemt

MCC	Device	Maximum	Maximum	Maximum		
Catalog	Marking	Recurrent	RMS	DC		
Number		Peak Reverse	Voltage	Blocking		
		Voltage		Voltage		
SK32	SK32	20V	14V	20V		
SK33	SK33	30V	21V	30V		
SK34	SK34	40V	28V	40V		
SK35	SK35	50V	35V	50V		
SK36	SK36	60V	42V	60V		
SK38	SK38	80V	56V	80V		
SK310	SK310	100V	70V	100V		

Electrical Characteristics @ 25°C Unless Otherwise Specified

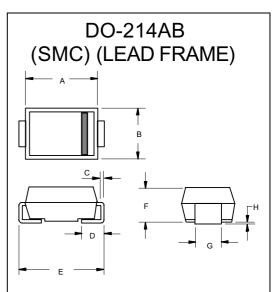
Average Forward Current	I _{F(AV)}	3.0A	T _L = 100°C
Peak Forward Surge Current	I _{FSM}	100A	8.3ms, half sine
Maximum Instantaneous Forward Voltage SK32-34 SK35-36 SK38-310	VF	.50V .75V .85V	I _{FM} = 3.0A; T _J = 25°C*
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	.5mA 20mA	T _J = 25°C T _J = 100°C
Typical Junction Capacitance	C	250pF	Measured at 1.0MHz, V _R =4.0V

*Pulse test: Pulse width 200 µsec, Duty cycle 2% Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

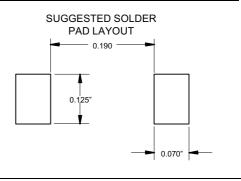
THRU **SK310**

SK32

3 Amp Schottky Rectifier 20 to 100 Volts



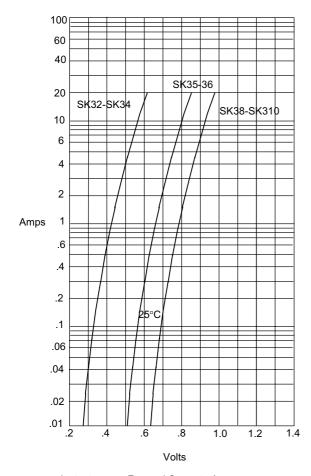
DIMENSIONS						
	INCHES		MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
А	.260	.280	6.60	7.11		
В	.220	.245	5.59	6.22		
С	.006	.012	0.15	0.31		
D	.030	.060	0.76	1.52		
Е	.305	.320	7.75	8.13		
F	.079	.103	2.00	2.62		
G	.108	.128	2.75	3.25		
н	.002	.008	0.050	0.203		



SK32 thru SK310

Figure 1

Typical Forward Characteristics



 $\cdot M \cdot C \cdot C \cdot$ **Micro Commercial Components** Forward Derating Curve

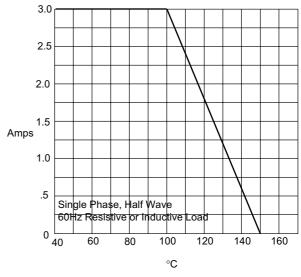
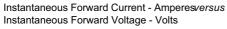
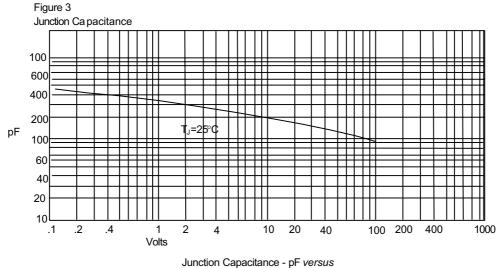


Figure 2

Average Forward Rectified Current - Amperesversus Lead Temperature -°C





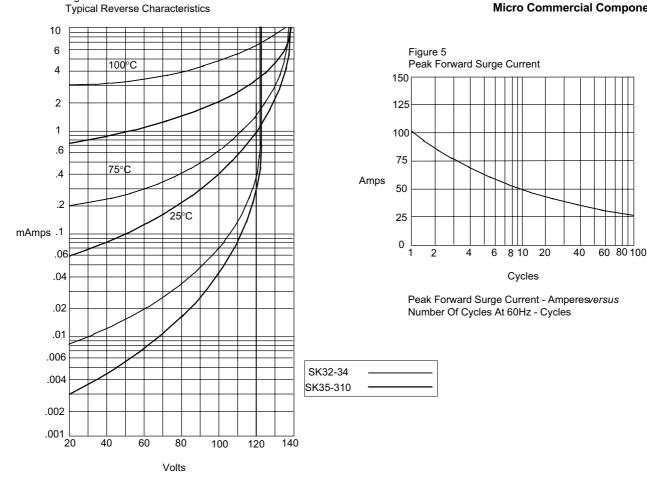
Reverse Voltage - Volts



Figure 4

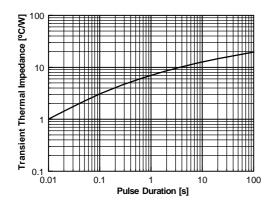


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Instantaneous Reverse Leakage Current - MicroAmperesversus Percent Of Rated Peak Reverse Voltage - Volts

Figure 6 Thermal Impedance Characteristics





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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Micro Commercial Components (MCC): SK38-T SK35-T SK32-T SK34-T SK36-T SK33-T