

Micro Commercial Components



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Features

- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information) For Surface Mount Applications
- Easy Pick And Place
- 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
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 18°C/W Junction To Lead

MCC		Maximum	Maximum	Maximum
MCC		Maximum	Maximum	Maximum
Part	Device	Recurrent	RMS	DC
Number	Marking	Peak Reverse	Voltage	Blocking
		Voltage		Voltage
SK62L	SK62	20V	14V	20V
SK63L	SK63	30V	21V	30V
SK64L	SK64	40V	28V	40V
SK645L	SK645	45V	31.5V	45V
SK65L	SK65	50V	35V	50V
SK66L	SK66	60V	42V	60V
SK68L	SK68	80V	56V	80V
SK610L	SK610	100V	70V	100V

Electrical Characteristics @ 25°C Unless Otherwise Specified

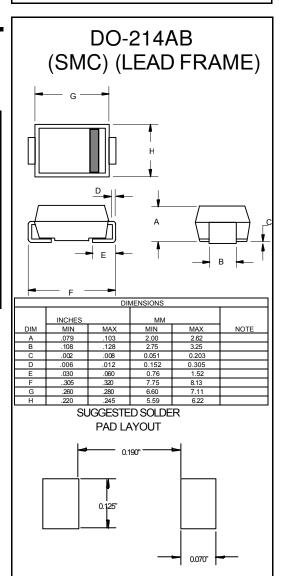
F(AV)	6.0A	T _{.1} = 120°C
. ()		ő
I _{FSM}	150A	8.3ms, half sine
VF	.65V	$I_{FM} = 6.0A;$
	.85V	$T_{J} = 25^{\circ}C^{*}$
l _B	1.0mA	T, = 25°C
	20mA	T _. = 100°C
CJ	200pF	Measured at
		1.0MHz, V _B =4.0V
	I _{FSM} V _F I _R C _J	I _{FSM} 150A V _F .65V .85V I _R 1.0mA 20mA

*Pulse test: Pulse width 200 µsec, Duty cycle 2%

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

SK62L THRU **SK610L**

6 Amp Schottky **Rectifier** 20 to 100 Volts

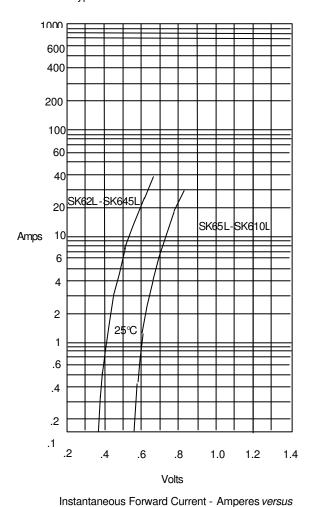


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SK62L thru SK610L

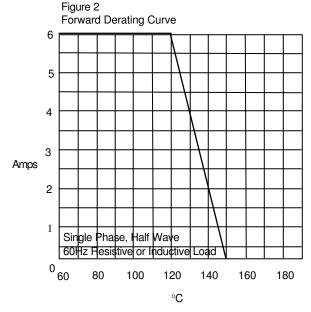
Figure 1

Typical Forward Characteristics

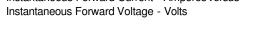


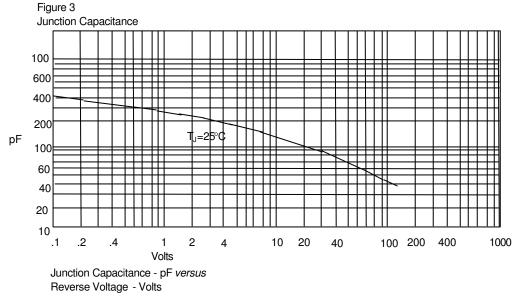
•*M*•C•C•

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Average Forward Rectified Current - Amperes <code>versus</code> Ambient Temperature - $^{\circ}\text{C}$



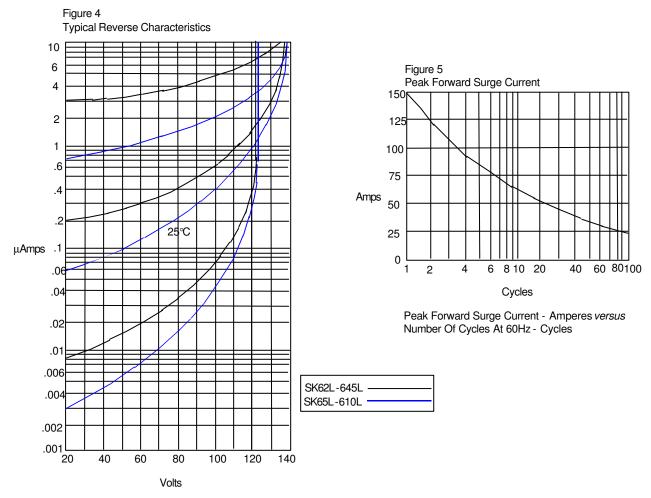


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Instantaneous Reverse Leakage Current - MicroAmperes versus Percent Of Rated Peak Reverse Voltage - Volts

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2014/03/07



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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