勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

NOT RECOMMENDED FOR NEW DESIGNS USE SK12-LTP~SK110-LTP SERIES



Micro Comme

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939

SK12 THRU SK110

Features

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

Maximum Ratings

- Operating Temperature(Tj): -55°C to +125°C
- Storage Temperature(Tstg): -55°C to +150°C
- Maximum Thermal Resistance; 28°C/W Junction To Lead

	MCC	Device	Maximum	Maximum	Maximum
	Catalog	Marking	Recurrent	RMS	DC
	Number		Peak Reverse Voltage	Voltage	Blocking Voltage
	SK12	SK12	20V	14V	20V
F	SK13	SK13	30V	21V	30V
Æ	SK14	SK14	40V	28V	40V
	SK15	SK15	50V	35V	50V
r	SK16	SK16	60V	42V	60V
4	SK18	SK18	80V	56V	80V
	SK110	SK110	100V	70V	100V

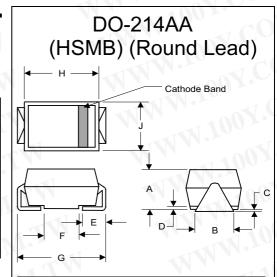
Electrical Characteristics @ 25°C Unless Otherwise Specified

			and thice opening
Average Forward Current	I _{F(AV)}	1.0A	T _J = 90°C
Peak Forward Surge Current	I _{FSM}	30A	8.3ms, half sine
Maximum Instantaneous Forward Voltage SK12 SK13 SK14 SK15-16 SK18-110	V _F	.45V .55V .60V .72V .85V	I _{FM} = 1.0A; T _a = 25°C*
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	0.5mA 20mA	T _A = 25°C T _A = 100°C
Typical Junction Capacitance SK12 SK13-SK110	CJ	110pF 30pF	Measured at 1.0MHz, V _R =4.0V

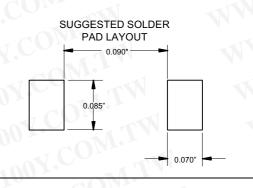
^{*}Pulse test: Pulse width 300 µsec, Duty cycle 2%

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

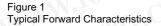
1 Amp Schottky Rectifier 20 to 100 Volts

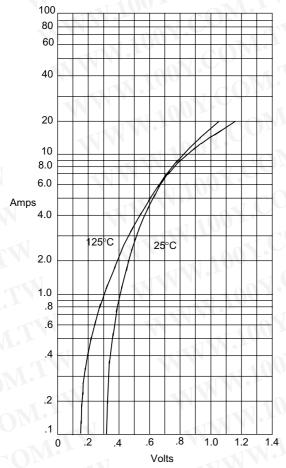


DIMENSIONS						
	INCHES		ММ			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.078	.116	1.98	2.95		
В	.075	.089	1.90	2.25		
С	.002	.008	.05	.20		
D		.02		.51		
E	.035	.055	.90	1.40		
F	.065	.091	1.65	2.32		
G	.205	.224	5.21	5.69		
Н	.160	.180	4.06	4.57		
J	.130	.155	3.30	3.94		
	# 1 # 1 F #		•			



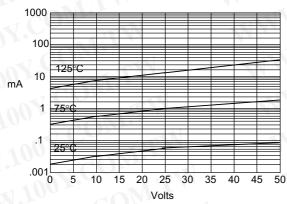
SK12





Instantaneous Forward Current - Amperesversus Instantaneous Forward Voltage - Volts

Figure 2 Typical Reverse Characteristics



Typical Reverse Current - mAversus Reverse Voltage - Volts ·M·C·C·

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SK13 thru SK110

 $\cdot M \cdot C \cdot C \cdot$

Figure 1
Typical Forward Characteristics

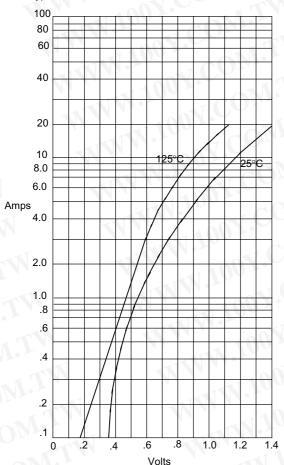
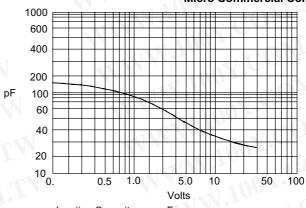


Figure 3 Typical Junction Capacitance

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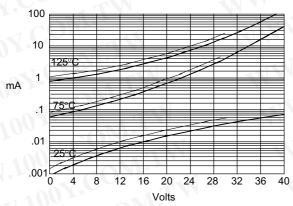


Junction Capacitance - pF*versus* Reverse Voltage - Volts

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Instantaneous Forward Current - Amperesversus Instantaneous Forward Voltage - Volts

Figure 2
Typical Reverse Characteristics



SK13 SK14

Typical Reverse Current - mAversus Reverse Voltage - Volts

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Ordering Information :

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

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