



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**NOT RECOMMENDED FOR NEW DESIGNS**  
**USE SS22-LTP~SS210-LTP SERIES**



Micro Commercial Components



Micro Commercial Components  
20736 Marilla Street Chatsworth  
CA 91311  
Phone: (818) 701-4933  
Fax: (818) 701-4939

**SS22  
THRU  
SS210**

## Features

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

## Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance: R<sub>thjL</sub>-15 °C/W; R<sub>thja</sub>-73 °C/W

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SS22	SS22	20V	14V	20V
SS23	SS23	30V	21V	30V
SS24	SS24	40V	28V	40V
SS25	SS25	50V	35V	50V
SS26	SS26	60V	42V	60V
SS28	SS28	80V	56V	80V
SS210	SS210	100V	70V	100V

## Electrical Characteristics @ 25°C Unless Otherwise Specified

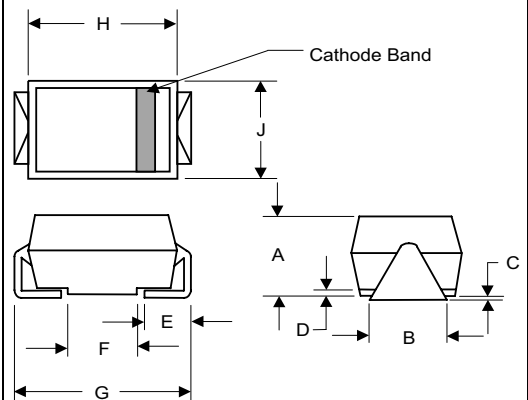
Average Forward Current	I <sub>F(AV)</sub>	2.0A	T <sub>J</sub> = 100°C
Peak Forward Surge Current	I <sub>FSM</sub>	50A	8.3ms, half sine
Maximum Instantaneous Forward Voltage SS22-SS24 SS25-SS26 SS28-SS210	V <sub>F</sub>	.55V .70V .85V	I <sub>FM</sub> = 2.0A; T <sub>J</sub> = 25°C*
Maximum DC Reverse Current At Rated DC Blocking Voltage	I <sub>R</sub>	0.5mA	T <sub>J</sub> = 25°C
Typical Junction Capacitance SS22 SS23-SS210	C <sub>J</sub>	230pF 50pF	Measured at 1.0MHz, V <sub>R</sub> =4.0V

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

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

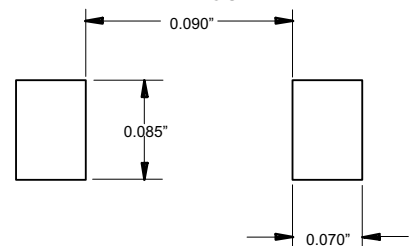
**2 Amp Schottky  
Rectifier  
20 to 100 Volts**

**DO-214AC  
(SMA) (High Profile)**



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.078	.116	1.98	2.95	
B	.067	.089	1.70	2.25	
C	.002	.008	.05	.20	
D	---	.02	---	.51	
E	.035	.055	.89	1.40	
F	.065	.096	1.65	2.45	
G	.205	.224	5.21	5.69	
H	.160	.180	4.06	4.57	
I	.100	.112	2.57	2.84	

**SUGGESTED SOLDER  
PAD LAYOUT**



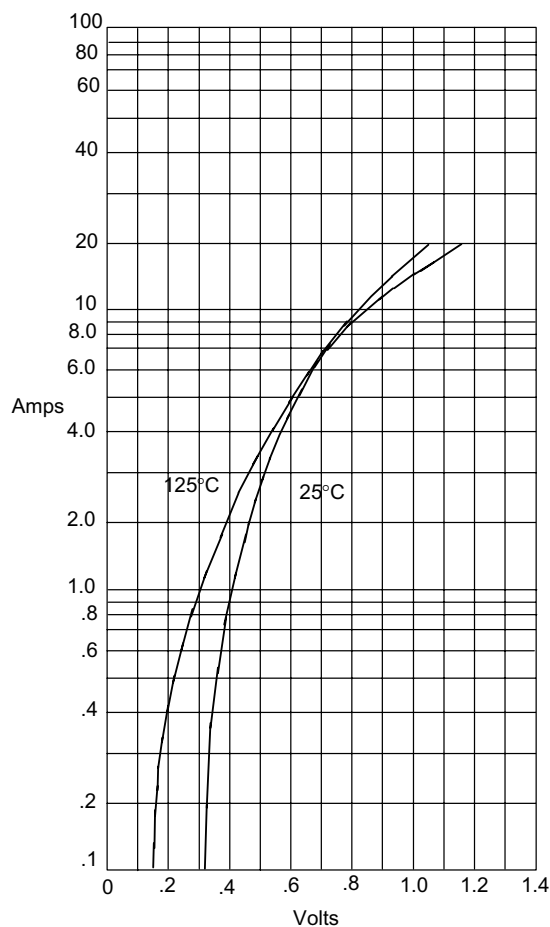
**www.mccsemi.com**

# SS22

# M.C.C.

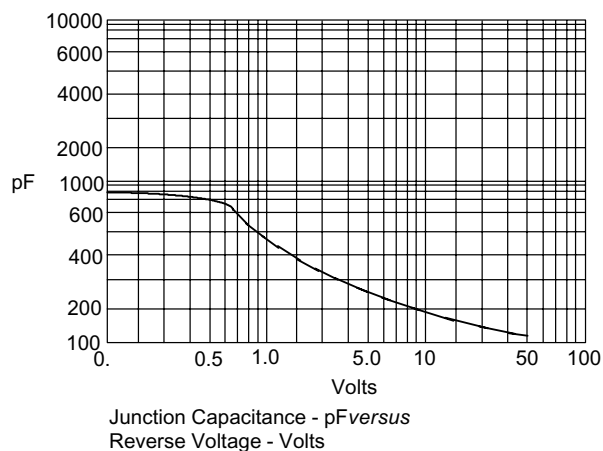
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Figure 1  
Typical Forward Characteristics



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

Figure 3  
Typical Junction Capacitance



Junction Capacitance - pF *versus*  
Reverse Voltage - Volts

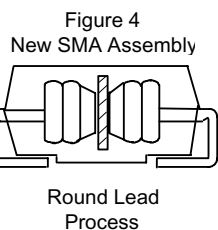
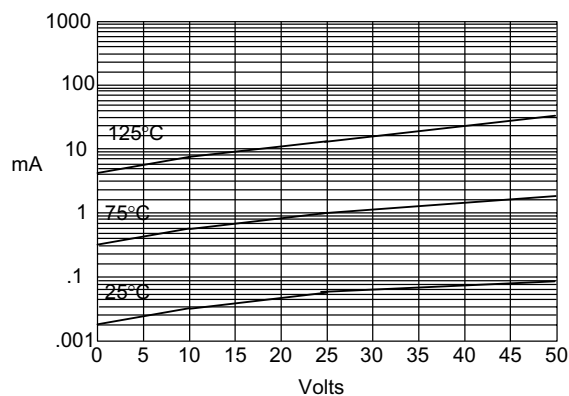


Figure 2  
Typical Reverse Characteristics



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

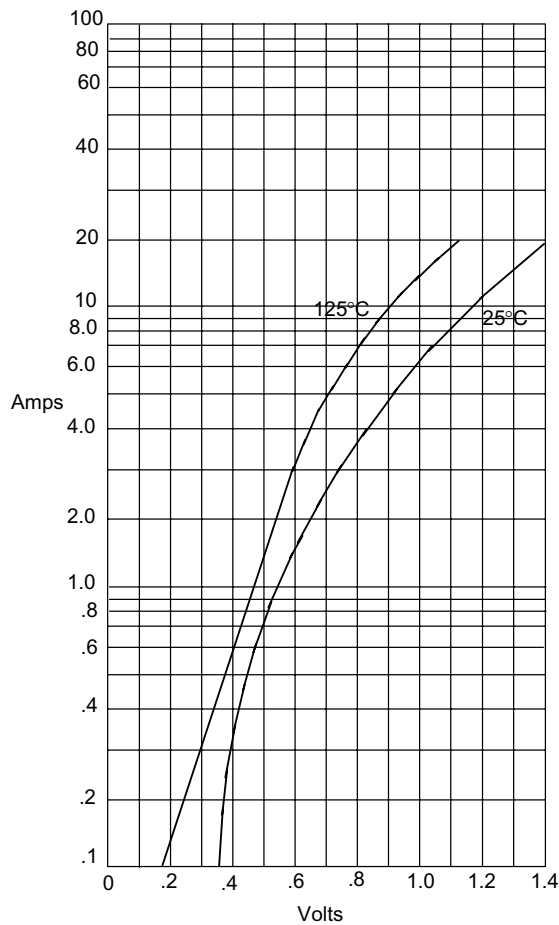
[www.mccsemi.com](http://www.mccsemi.com)

# SS23 thru SS210



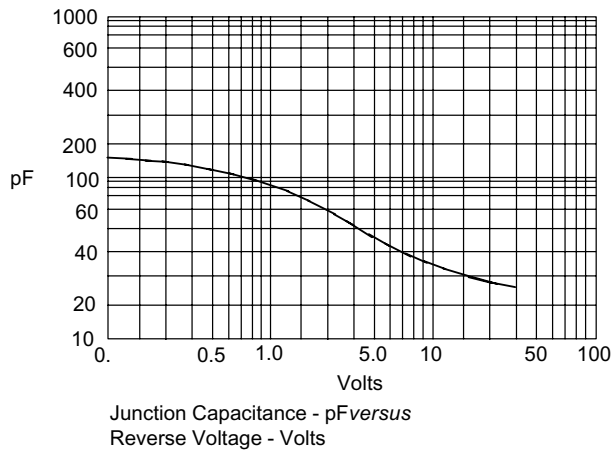
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Figure 1  
Typical Forward Characteristics



Instantaneous Forward Current - Amperes versus  
Instantaneous Forward Voltage - Volts

Figure 3  
Typical Junction Capacitance



Junction Capacitance - pF versus  
Reverse Voltage - Volts

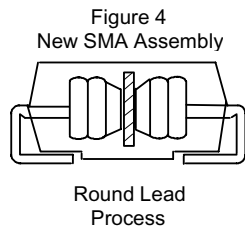
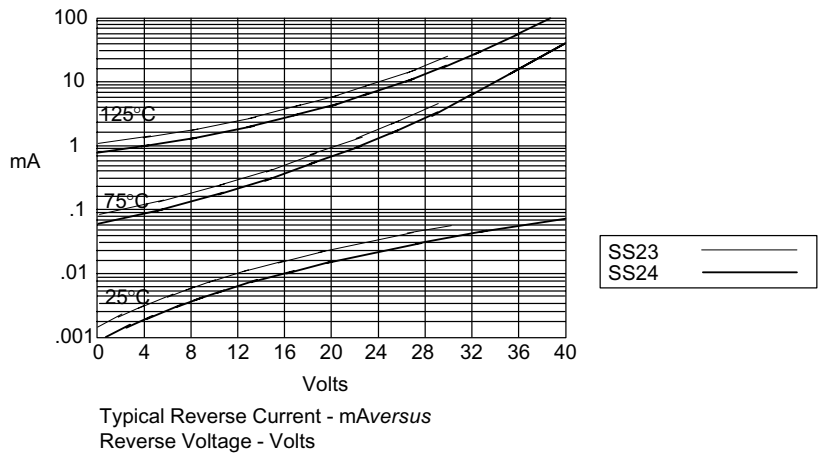


Figure 2  
Typical Reverse Characteristics



Typical Reverse Current - mA versus  
Reverse Voltage - Volts



## Ordering Information :

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

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