

## Excellent Integrated System Limited

Stocking Distributor

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[Micro Commercial Components \(MCC\)](#)  
[SS22-TP](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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



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

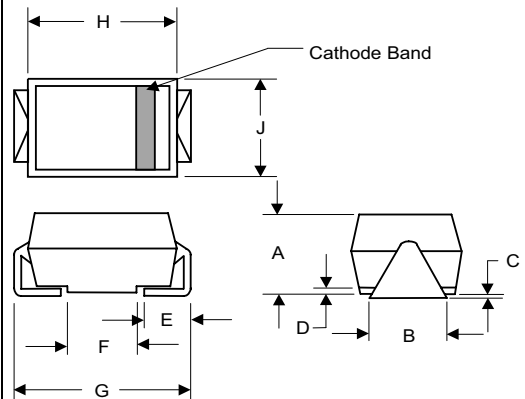
**Maximum Ratings**

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance: RthjL-15 °C/W; Rthja-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

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

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

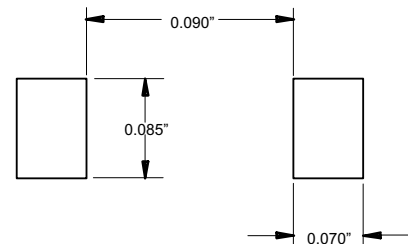


**Electrical Characteristics @ 25°C Unless Otherwise Specified**

Average Forward Current	$I_{F(AV)}$	2.0A	$T_J = 100^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	50A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	$V_F$	SS22-SS24 SS25-SS26 SS28-SS210 .55V .70V .85V	$I_{FM} = 2.0A$ ; $T_J = 25^\circ\text{C}^*$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	0.5mA	$T_J = 25^\circ\text{C}$
Typical Junction Capacitance	$C_J$	SS22 SS23-SS210 230pF 50pF	Measured at 1.0MHz, $V_R=4.0V$

DIM	DIMENSIONS				NOTE
	INCHES		MM		
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	
J	.100	.112	2.57	2.84	

**SUGGESTED SOLDER PAD LAYOUT**



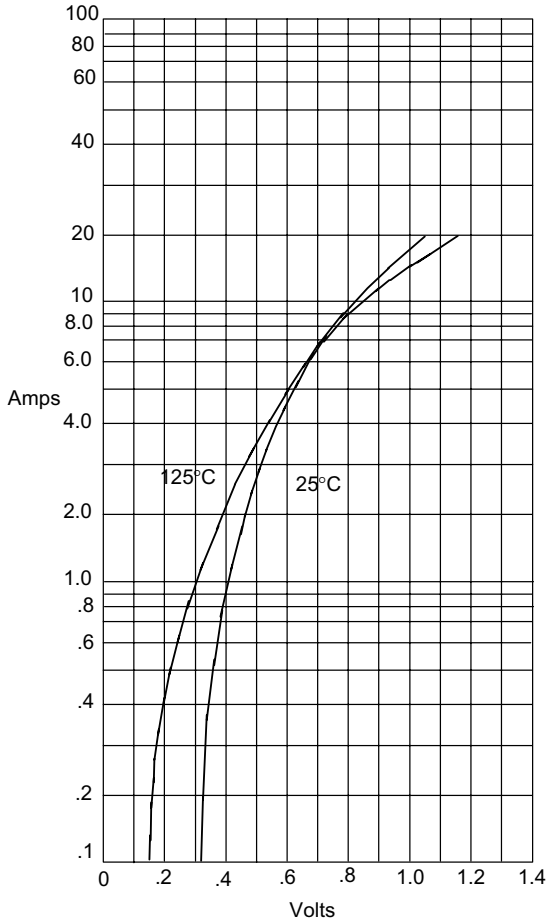
\*Pulse test: Pulse width 300 μsec, Duty cycle 2%

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

# SS22

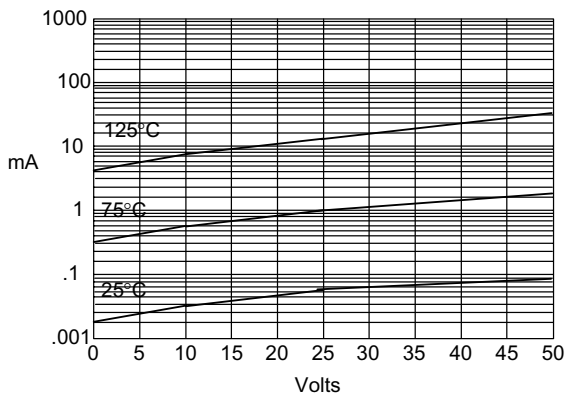


Figure 1  
Typical Forward Characteristics



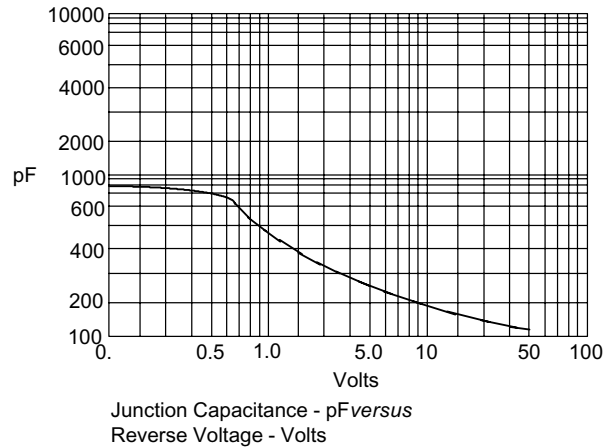
Instantaneous Forward Current - Amperes *versus*  
Instantaneous Forward Voltage - Volts

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

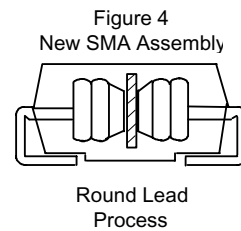
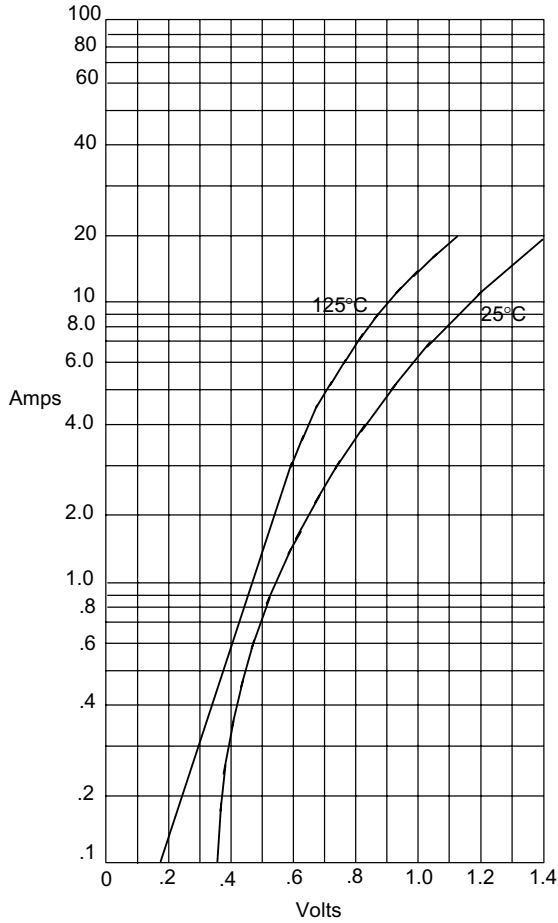


Figure 4  
New SMA Assembly  
Round Lead Process

# SS23 thru SS210

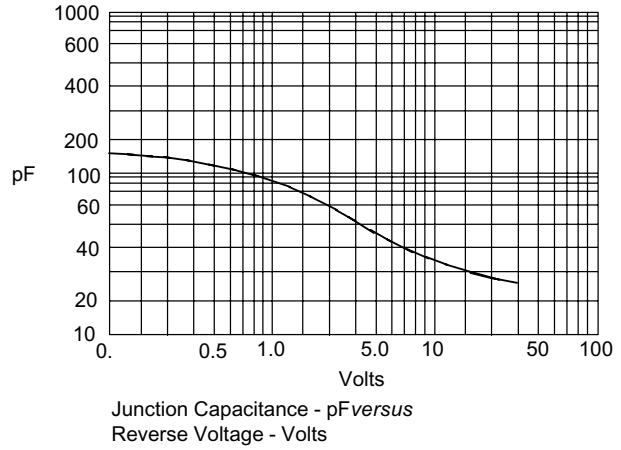


Figure 1  
Typical Forward Characteristics



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

Figure 3  
Typical Junction Capacitance



Junction Capacitance - pF *versus*  
 Reverse Voltage - Volts

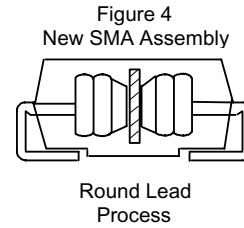
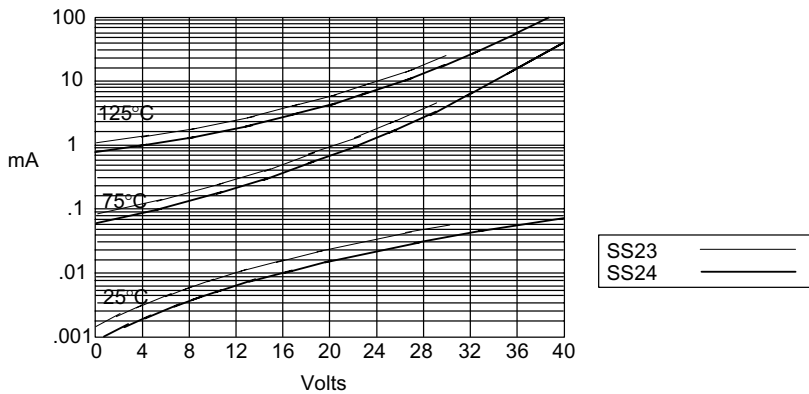


Figure 2  
Typical Reverse Characteristics



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



Micro Commercial Components

### Ordering Information :

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

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