

**SL14A**  
**SL16A**  
**SL110A**

**1 Amp Low VF**  
**Schottky Rectifier**  
**40~100 Volts**

## Features

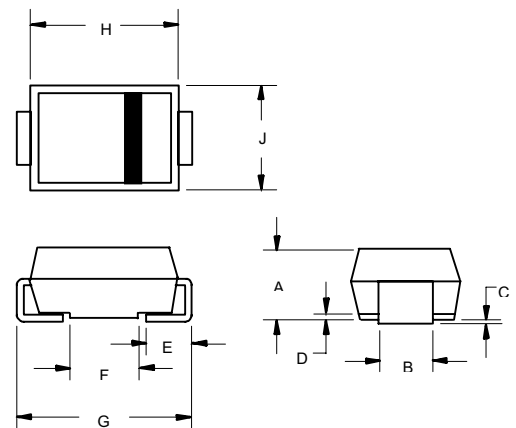
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- High Surge forward current capability
- Extremely Low Thermal Resistance
- Halogen free available upon request by adding suffix "-HF"

## Maximum Ratings

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

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SL14A	SL14A	40V	28V	40V
SL16A	SL16A	60V	42V	60V
SL110A	SL110A	100V	70V	100V

**DO-214AC**  
**(SMA) (LEAD FRAME)**



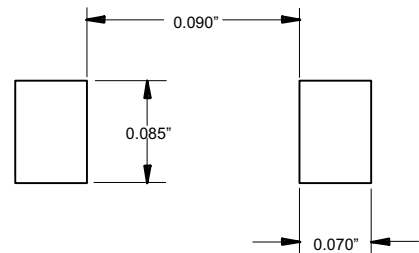
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.079	.096	2.00	2.44	
B	.050	.064	1.27	1.63	
C	.002	.008	.05	.20	
D	—	.02	—	.51	
E	.030	.060	.76	1.52	
F	.065	.091	1.65	2.32	
G	.189	.220	4.80	5.59	
H	.157	.181	4.00	4.60	
J	.090	.115	2.25	2.92	

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	1.0A	$T_A = 75^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	28A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	$V_F$	.40V .55V .60V	$I_{FM} = 1.0A;$ $T_a = 25^\circ\text{C}$
SL14A			
SL16A SL110A			
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	.5mA	$T_a = 25^\circ\text{C}$

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

### SUGGESTED SOLDER PAD LAYOUT



### Characteristics(Typical)

FIG1 Forward Current Dearing Curve

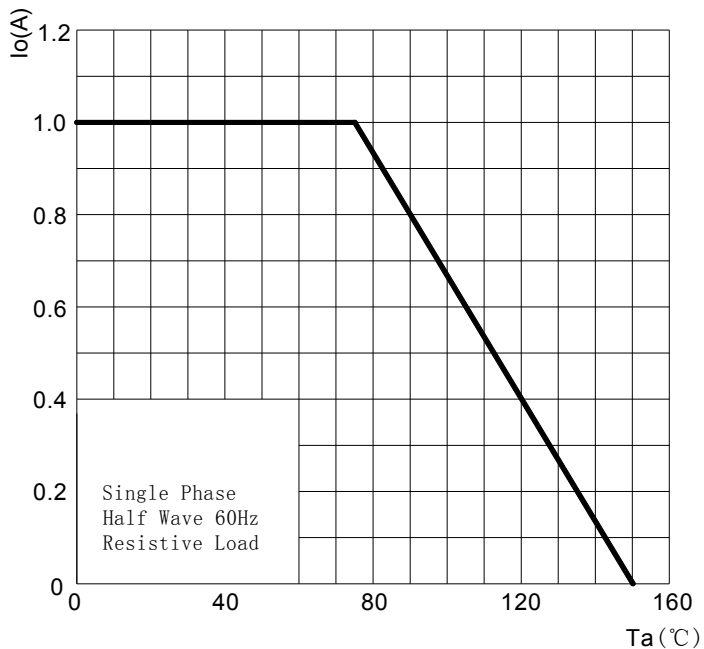


FIG2: Surge Forward Current Capacity

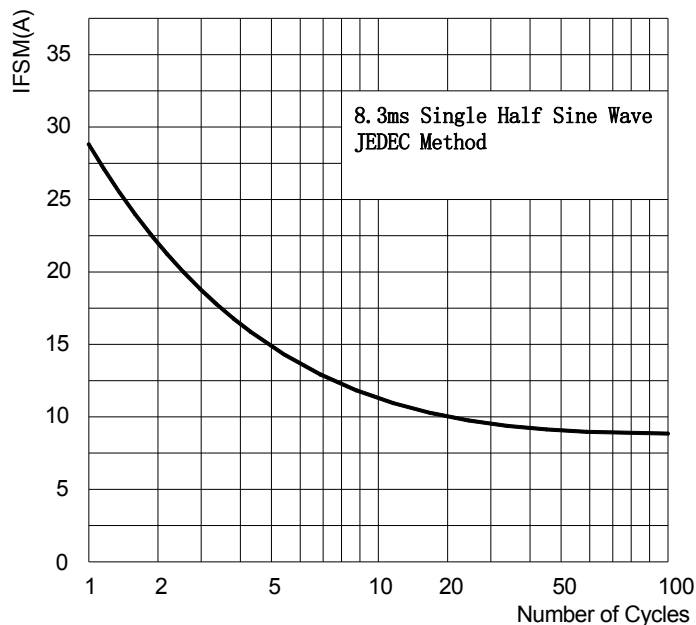


FIG3: Forward Voltage

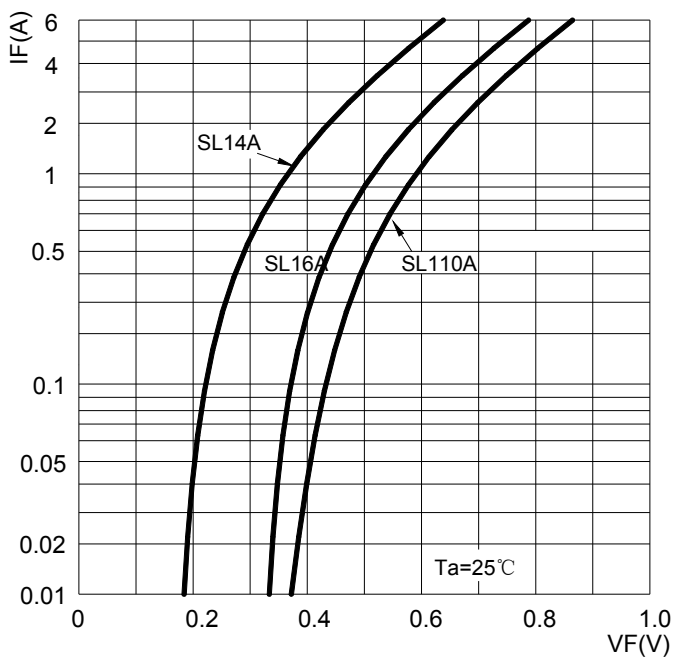
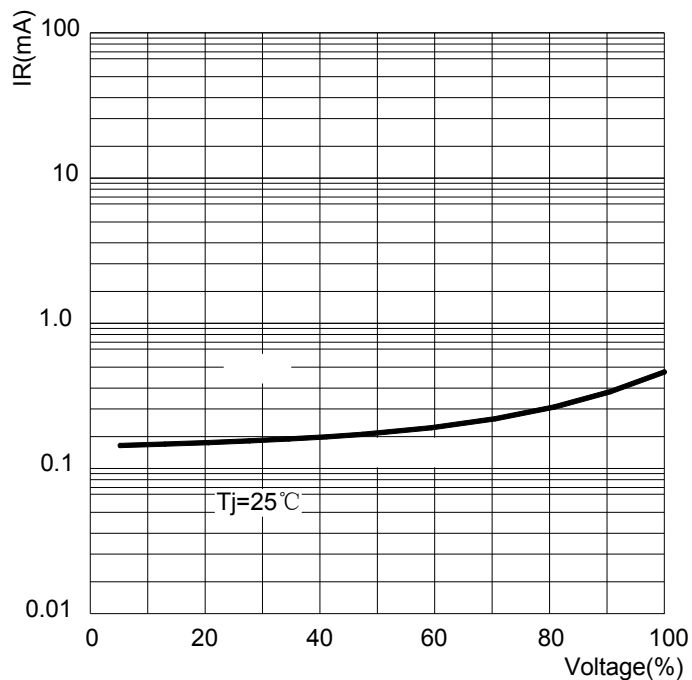


FIG4: Typical Reverse Characteristics





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Ordering Information :

Device	Packing
SL14A~SL110A	Tape&Reel: 5Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. SL14A~SL110A-HF

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