



Micro Commercial Components



Micro Commercial Components  
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**SL34AFL**  
**SL36AFL**  
**SL310AFL**

## 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"

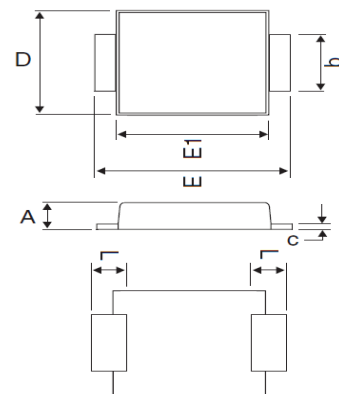
## Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 16°C/W Junction To Lead

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SL34AFL	SL34A	40V	28V	40V
SL36AFL	SL36A	60V	42V	60V
SL310AFL	SL310A	100V	70V	100V

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

**DO-221AC**  
**(SMA-FL)**



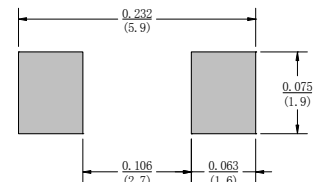
## Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	3.0A	$T_L = 120^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	60A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	$V_F$	0.45V	$I_{FM} = 3.0\text{A};$ $T_a = 25^\circ\text{C}$
SL34AFL		0.50V	
SL36AFL SL310AFL		0.60V	
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	0.5mA	$T_a = 25^\circ\text{C}$
		10mA	$T_a = 100^\circ\text{C}$

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

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.035	.047	0.90	1.20	
b	.049	.065	1.25	1.65	
C	.004	.016	0.10	0.40	
D	.089	.116	2.25	2.95	
E	.173	.220	4.40	5.60	
E1	.126	.181	3.20	4.60	
L	.028	.059	0.70	1.50	

**SUGGESTED SOLDER**  
**PAD LAYOUT**



## Characteristics(Typical)

FIG1: Io-TL Curve

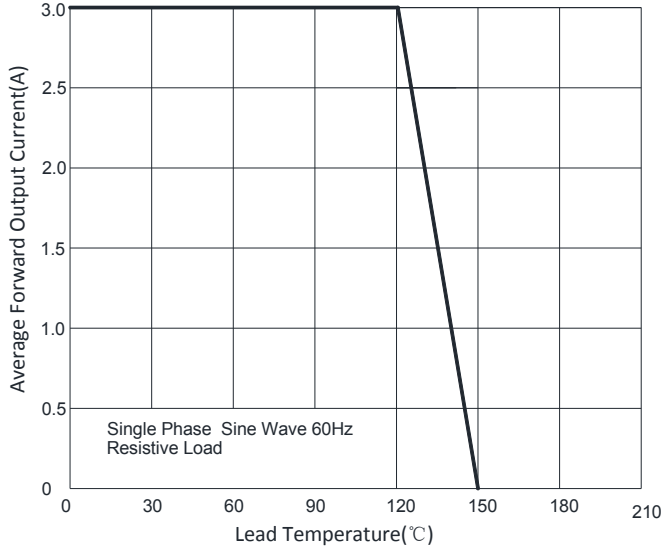


FIG2: Surge Forward Current Capability

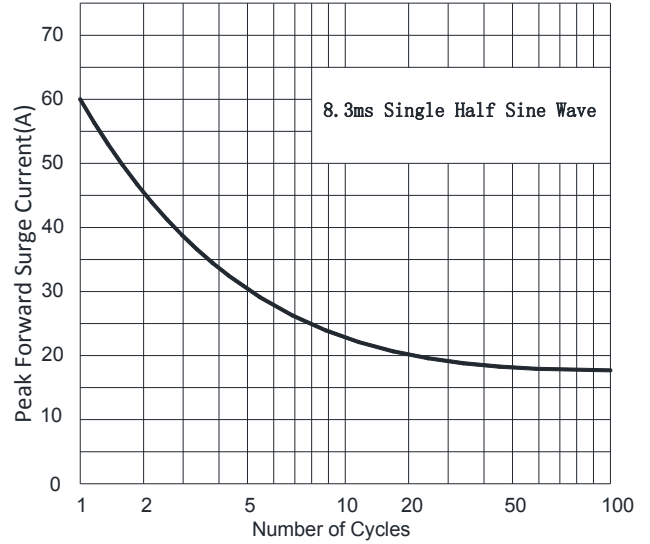


FIG3: Forward Voltage

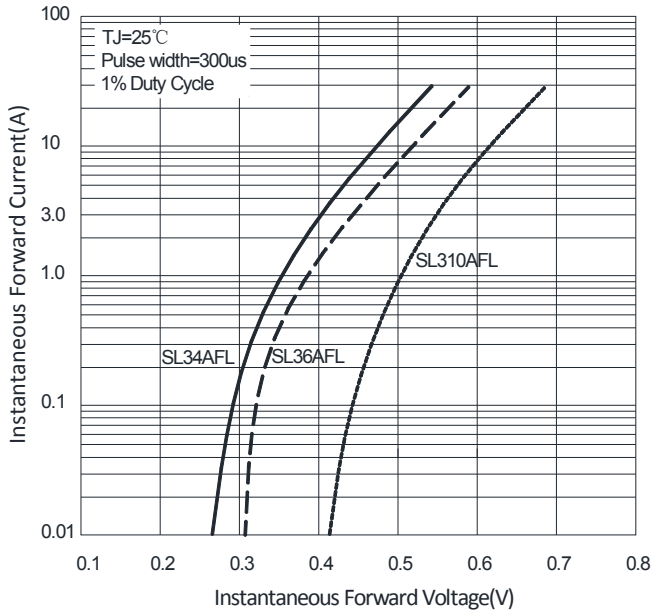
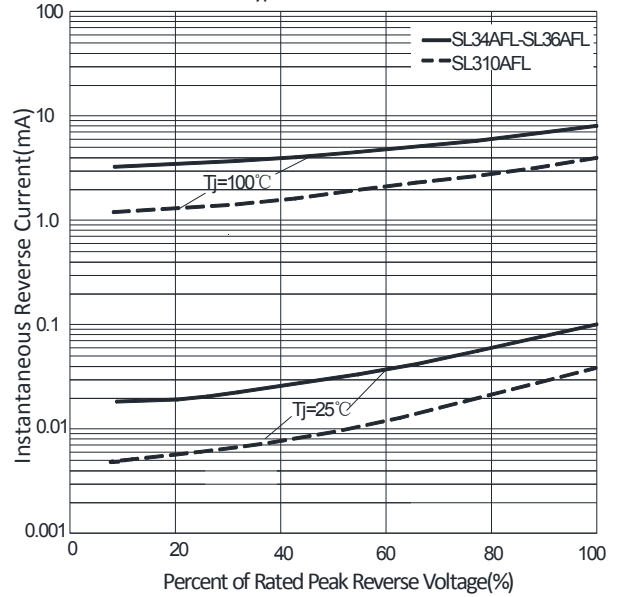


FIG4: Typical Reverse Characteristics





**Ordering Information :**

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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