Micro Commercial Components

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SL24PL THRU SL210PL

2 Amp Low VF Schottky Rectifier 40 to 100 Volts

Features

- Halogen free available upon request by adding suffix "-HF"
- Schottky Barrier Rectifier
- High Current Capability
- Low Forward Voltage
- 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

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 18°C/W Junction To Lead

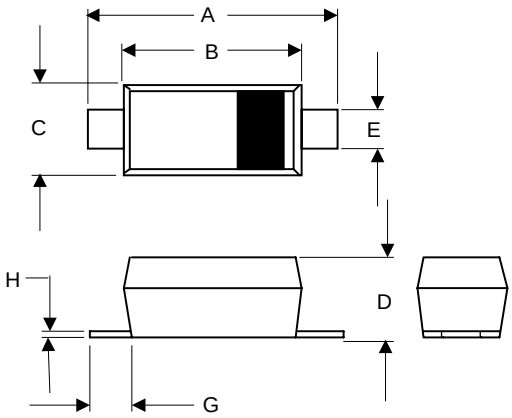
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SL24PL	SL24	40V	28V	40V
SL26PL	SL26	60V	42V	60V
SL210PL	SL210	100V	70V	100V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	2.0A	T_a = 75°C
Peak Forward Surge Current	I_{FSM}	50A	8.3ms, half sine
Maximum Instantaneous Forward Voltage SL24PL SL26PL SL210PL	V_F	.47V .55V .72V	I_{FM} = 2.0A; T_J = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	0.5mA	T_A = 25°C

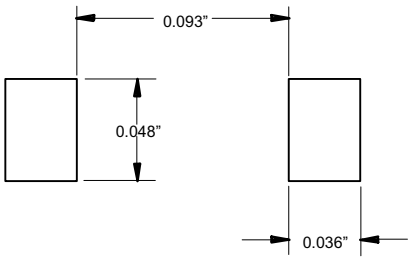
Note:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7.

SOD-123FL



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.140	.152	3.55	3.85	
B	.100	.122	2.55	3.10	
C	.055	.075	1.40	1.90	
D	.035	.053	0.90	1.35	
E	.020	.041	0.50	1.05	
G	.010	-----	0.25	-----	
H	-----	.010	----	.25	

SUGGESTED SOLDER PAD LAYOUT



Characteristics(Typical)

FIG1 Forward Current Dearting Curve

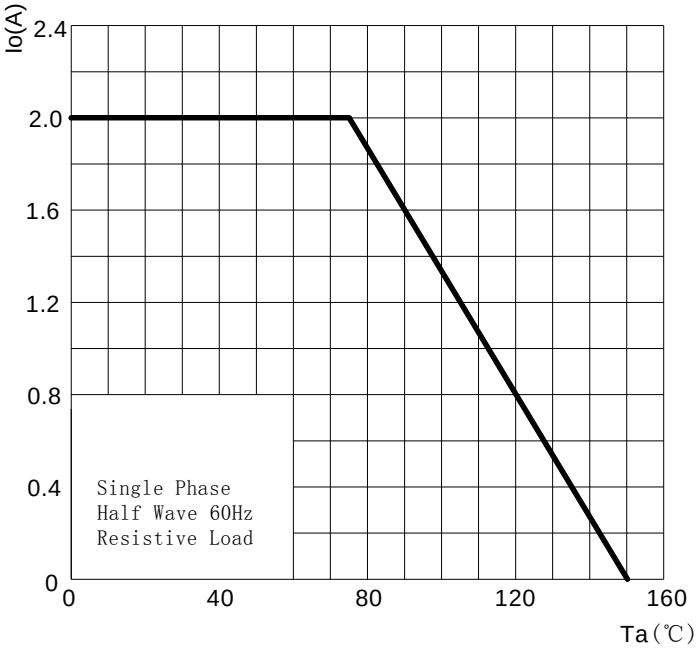


FIG2:Surge Forward Current Capadility

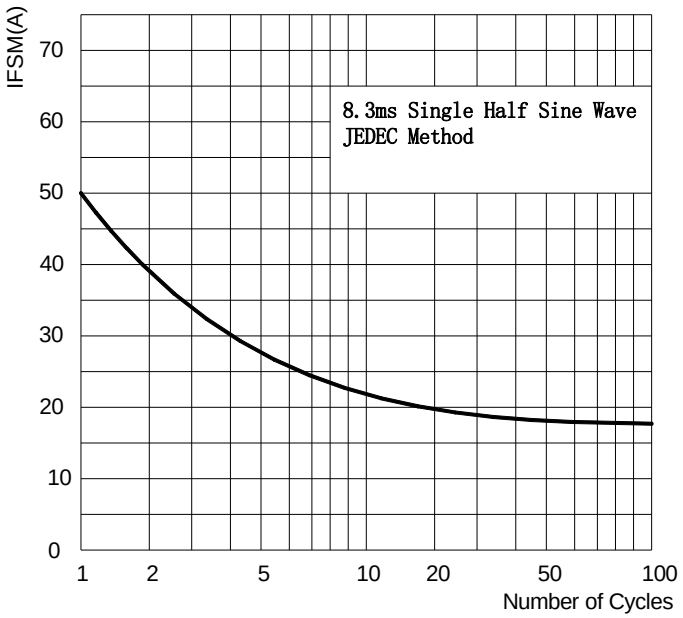


FIG3: Forward Voltage

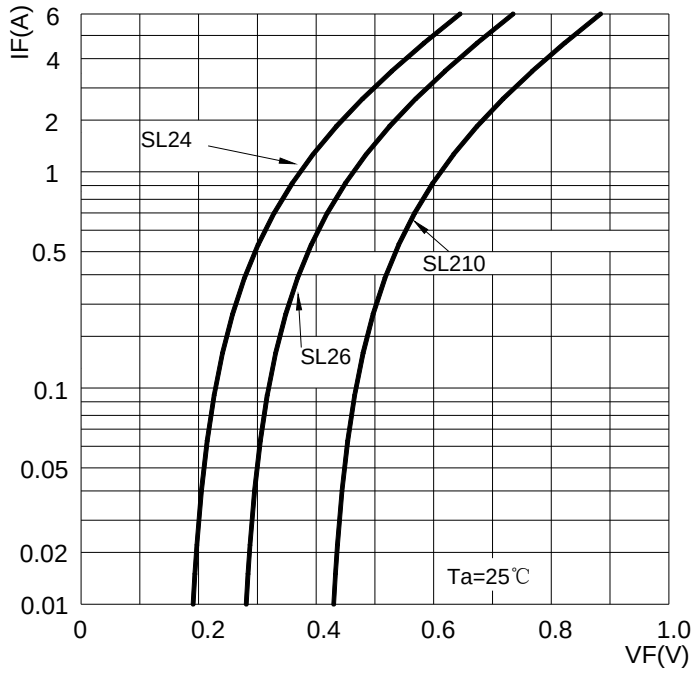
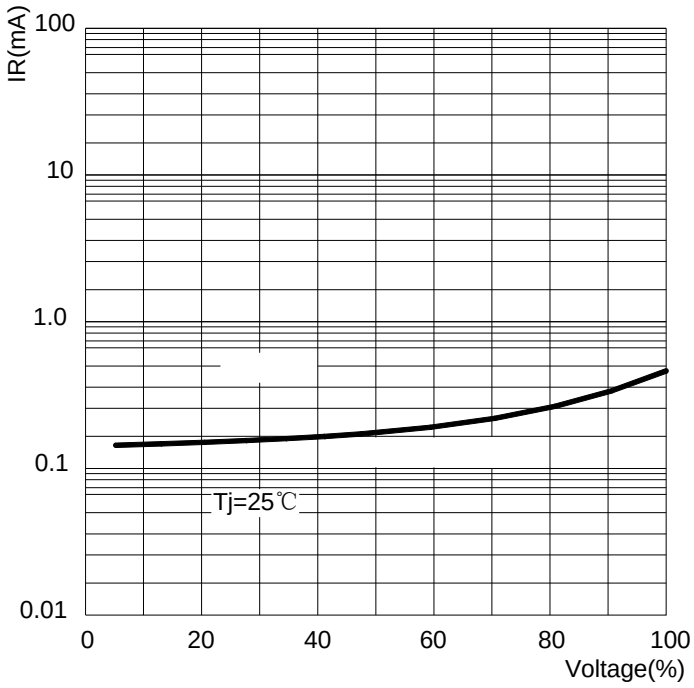


FIG4:Typical Reverse Characteristics



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

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

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