



Micro Commercial Components



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SSL16PL

1 Amp Schottky Rectifiers 60 Volts

Features

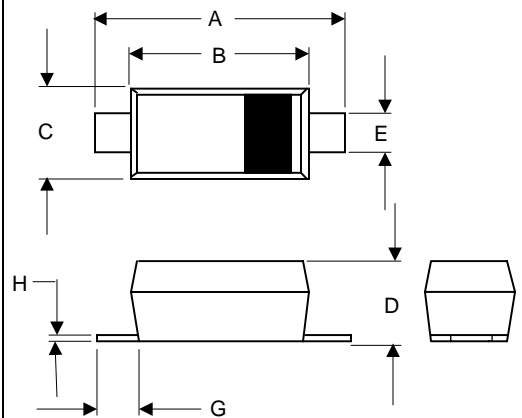
- Halogen free available upon request by adding suffix "-HF"
- High current capability.
- Lead Free Finish/RoHS Compliant (Note 1) ("P" Suffix designates Compliant. See ordering information)
- Guardring for overvoltage protection.
- Silicon epitaxial planar chip, metal silicon junction.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

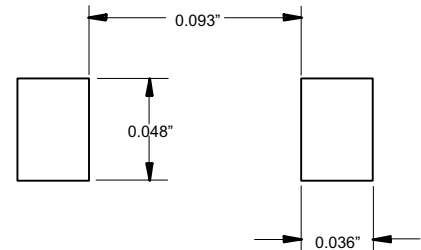
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SSL16PL	E6L	60V	42V	60V

SOD-123FL



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	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	.024	0.25	0.60	
H	-----	.010	----	.25	

SUGGESTED SOLDER PAD LAYOUT



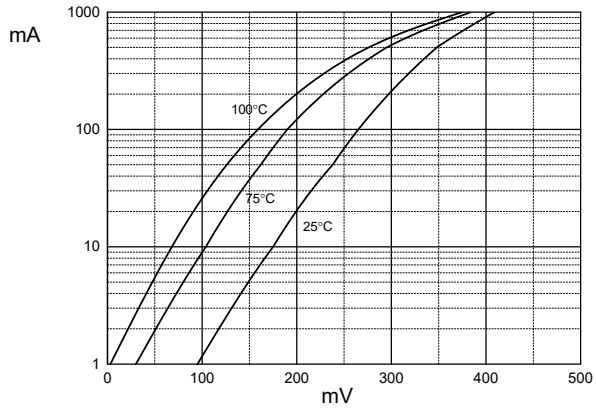
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	1.0A	
Peak Forward Surge Current	I_{FSM}	30A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	0.45V	$I_{FM} = 1.0A;$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	65µA	$V_R=60V, T_A = 25^\circ C$

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

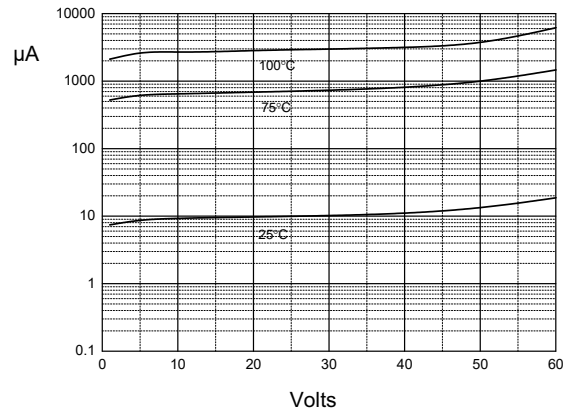
SSL16PL

Figure 1
Typical Forward Characteristics



Instantaneous Forward Current - mA
Instantaneous Forward Voltage - mV

Figure 2
Typical Reverse Characteristics



Instantaneous Reverse Leakage Current - µA
Percent Of Rated Peak Reverse Voltage - Volts



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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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