

# SMD36LHE1

## 3 Amp Low VF Schottky Rectifier 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
- Typical Thermal Resistance: 22°C/W Junction To Lead  
 52°C/W Junction To Ambient  
 12°C/W Junction To Case

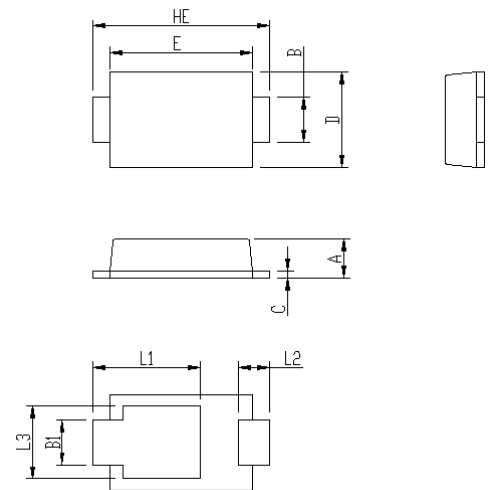
MCC Catalog Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SMD36LHE1	60V	42V	60V

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

Average Forward Current	$I_{F(AV)}$	3.0A	$T_L = 110^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	80A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	$V_F$	0.48V(max.) 0.43V(typ.)	$I_{FM} = 3.0\text{A};$
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	150µA 50mA	$V_R=60\text{V}, T_j = 25^\circ\text{C}$ $V_R=60\text{V}, T_j = 125^\circ\text{C}$

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

### SOD-123HE1



Unit:mm	MIN	MAX
A	0.75	0.90
B	0.85	1.05
B1	0.85	1.05
C	0.1	0.25
D	1.9	2.1
E	2.9	3.1
L1	2.0	2.45
L2	0.4	0.85
L3	1.3	1.7
HE	3.5	3.9

**Ordering Information :**

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

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

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