

Features

- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant(Note 2) ("P" Suffix Designates Compliant. See Ordering Information)
- Low Forward Voltage Drop
- · Low Power Loss, High Efficiency
- Low Profile Package

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance: 58°C/W Junction to Ambient(Note 3)
- Typical Thermal Resistance: 20°C/W Junction to Lead(Note 3)
- Typical Thermal Resistance: 15°C/W Junction to Case(Note 3)

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum	Maximum DC Blocking Voltage
SL36BFL	SL36	60V	42V	60V

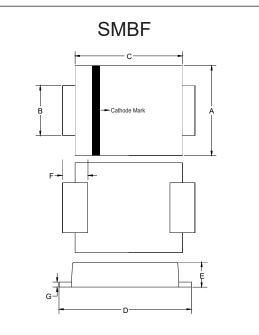
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	3A	T _C =120°C
Peak Forward Surge Current	I _{FSM}	60A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage	V _F	0.50V	I _{FM} =3.0A;T _J =25°C
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	0.2mA 50mA	T _J =25°C; T _J =125°C
Typical Junction Capacitance	CJ	250pF	Measured at 1.0MHz V _R =4.0V

Note:

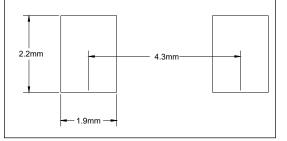
- 1. Halogen free "Green"products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.
- 2. High Temperature Solder Exemption Applied, See EU Directive Annex Notes 7a.
- 3. Device Mounted on p.c.b. with 0.3" x 0.3" (8.0 mm x 8.0 mm) copper pad areas.

3 Amp Low VF Schottky Barrier Rectifier 60V



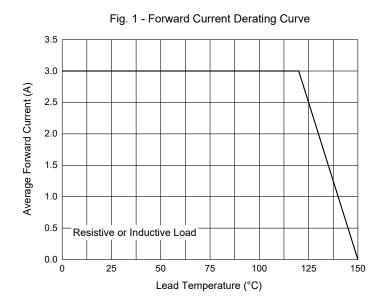
DIMENSIONS							
DIM	INCHES		MM		NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOTE		
Α	0.134	0.150	3.40	3.80			
В	0.075	0.083	1.90	2.10			
С	0.163	0.175	4.15	4.45			
D	0.201	0.220	5.10	5.60			
Е	0.041	0.061	1.05	1.55			
F	0.028	0.053	0.70	1.35			
G	0.006	0.010	0.15	0.25			

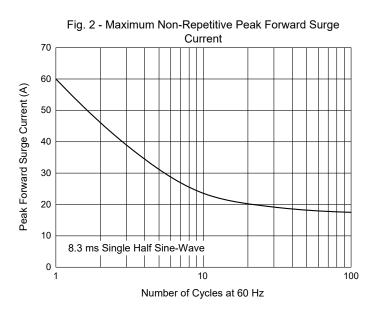
Suggested Solder Pad Layout

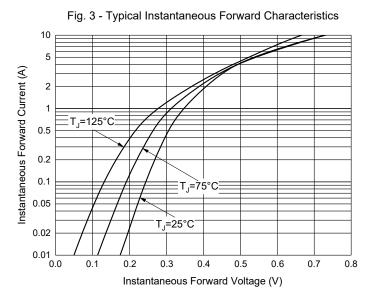


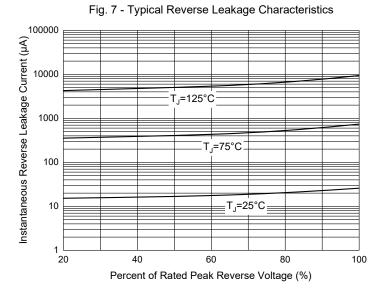


Curve Characteristics









Rev.3-1-03012022 2/3 MCCSEMI.COM



Ordering Information

Device	Packing		
SL36BFL-TP	Tape&Reel: 5Kpcs		

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