

Features

- Halogen Free. "Green" Device (Note 1)
- High Surge Capability
- AEC-Q101 Qualified
- Low Profile Package
- Lead Free Finish/RoHS Compliant(Note 2) ("P" Suffix Designates Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +175°C
- Storage Temperature Range: -55°C to +175°C
- Typical Thermal Resistance(Note 3): 85°C/W Junction to Ambient
- Typical Thermal Resistance(Note 3): 35°C/W Junction to Lead

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum	Maximum DC Blocking Voltage
SMD220PLHE3	M20	200V	140V	200V

Electrical Characteristics @ 25°C Unless Otherwise Specified

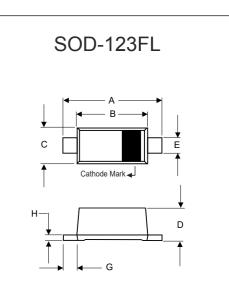
Average Forward Current	I _{F(AV)}	2.0A	T _L =115⁰C
Surge Forward Current	I _{FSM}	50A	8.3ms,Half Sine
Voltage Rate of Change (Rated V_R)	dV/dt	10000V/us	
Forward Voltage	V _F	0.82V(Typ) 0.90V(Max) 0.75V(Max)	I _F =2.0A;T _J =25°C I _F =2.0A;T _J =25°C I _F =2.0A;T _J =125°C
DC Reverse Current	I _R	5uA(Max) 15uA(Typ) 150uA(Max)	T _J =25⁰C T _J =125⁰C T _J =125⁰C
Typical Junction Capacitance	C」	40pF	f=1.0MHz,V _R =4V

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.

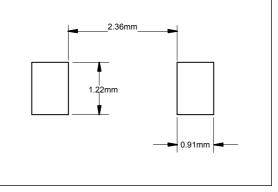
3. Thermal Resistance:Mounted on P.C.B with 3mm*3mm copper pad areas.

2 Amp Schottky Barrier Diodes 200 Volts



	DIMENSIONS						
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX	NOTE		
Α	0.130	0.152	3.30	3.85			
В	0.100	0.122	2.55	3.10			
С	0.055	0.075	1.40	1.90			
D	0.035	0.053	0.90	1.35			
E	0.020	0.041	0.50	1.05			
G	0.010		0.25				
Н		0.010		0.25			

Suggested Solder Pad Layout





Curve Characteristics

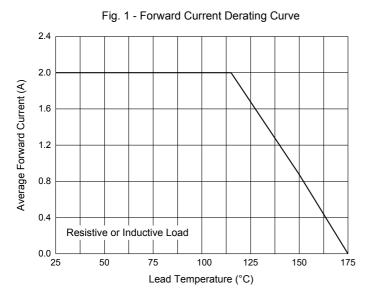
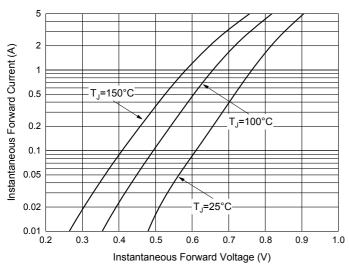
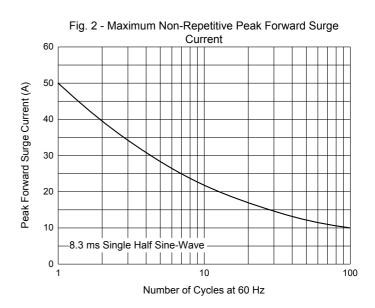
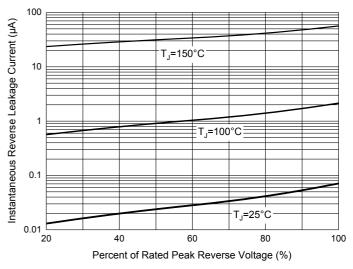


Fig. 3 - Typical Instantaneous Forward Characteristics













Ordering Information

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

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