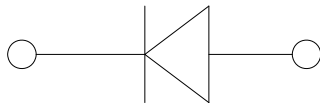
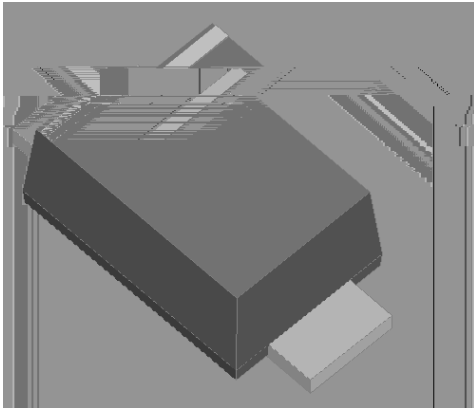


Surface Mount Schottky Rectifier



Features

- Low profile package
- Ideal for automated placement
- Guardring for overvoltage protection
- Low power losses, high efficiency
- High forward surge capability
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

Typical Applications

For use in low voltage high frequency inverters, freewheeling, DC/DC converters, and polarity protection applications.

Mechanical Data

- **Package:** SOD-323FL
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102

Device marking code **FM22**

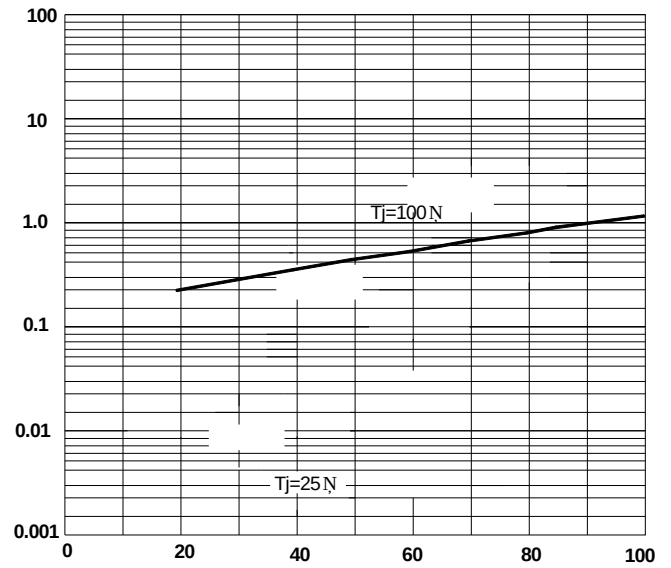
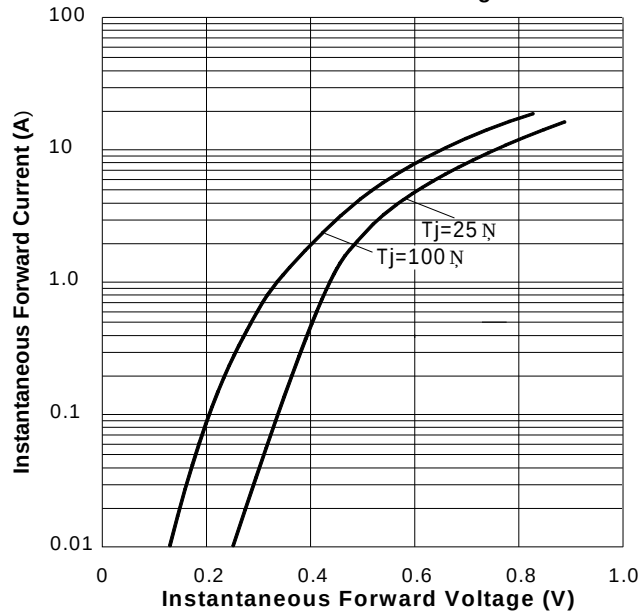
Repetitive peak reverse voltage	VRRM	V	20
Average rectified output current @60Hz sine wave, Resistance load, Tc (FIG.1)	IO	A	2.0
Surge(non-repetitive)forward current @ 60Hz half-sine wave,1 cycle, Tj=25℃	IFSM	A	30
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25℃			60
Current squared time @1ms ≤ t ≤ 8.3ms Tj = 25℃ Rating of per diode	I2t	A2S	3.74
Typical junction capacitance @Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	Cj	pF	72
Storage temperature	Tstg	℃	-55 ~+150
Junction temperature	Tj	℃	-55 ~+125



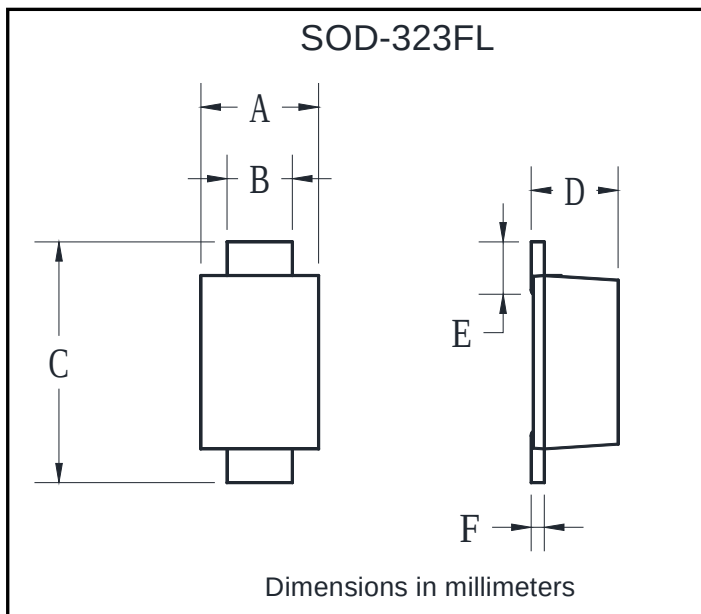
■Electrical Characteristics[^] T_j=25℃ Unless otherwise specified[~]

PARAMETER	
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FIG.3: Forward Voltage



■ Outline Dimensions



SOD-323FL		
Dim	Min	Max
A	1.05	1.45
B	0.90	1.15
C	2.30	2.70
D	0.80	1.20
E	0.25	0.70
F	0.05	0.25



Disclaimer

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The product listed herein is designed to be used with ordinary