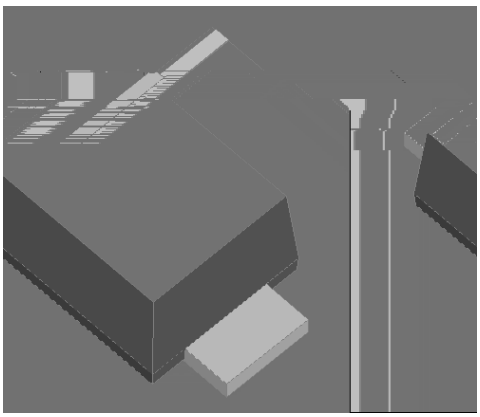
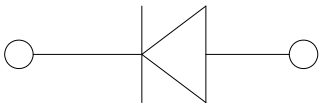
Surface Mount Schottky Rectifier





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 Date

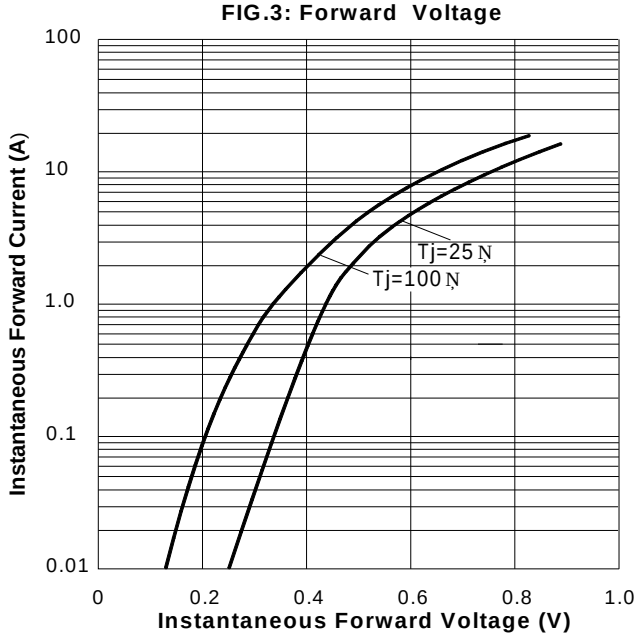
- ● **Package**: SOD-323FL
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free
- ● **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- ● **Polarity**: Cathode band
- ● **Marking code FM22**

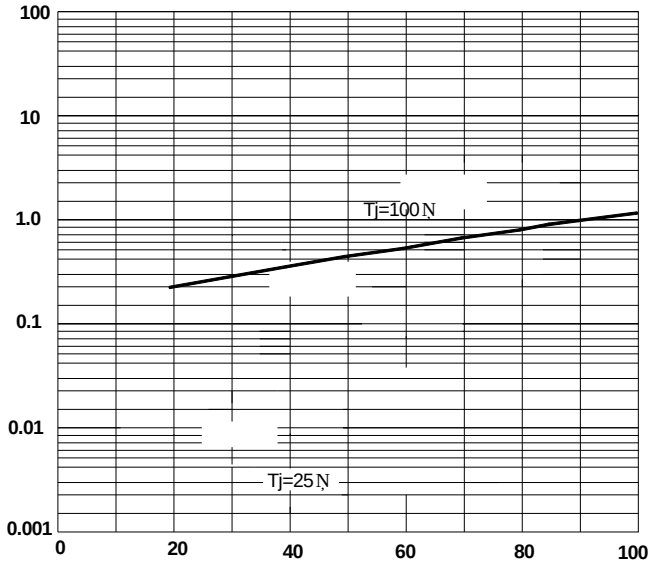
Repetitive peak reverse voltage	V_{RRM}	V	20
Average rectified output current @60Hz sine wave, Resistance load, T_C (FIG.1)	I_O	A	2.0
Surge(non-repetitive)forward current @ 60Hz half-sine wave,1 cycle, Tj=25Ņ	I_{FSM}	A	30
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25Ņ			60
Current squared time @1msŮtŮ8.3ms Tj =25Ņ˘ 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	T_{stg}	Ņ	-55 ~+150
Junction temperature	Tj	Ņ	-55 ~+125

■**Electrical Characteristics**（T_j=25℃ Unless otherwise specified）

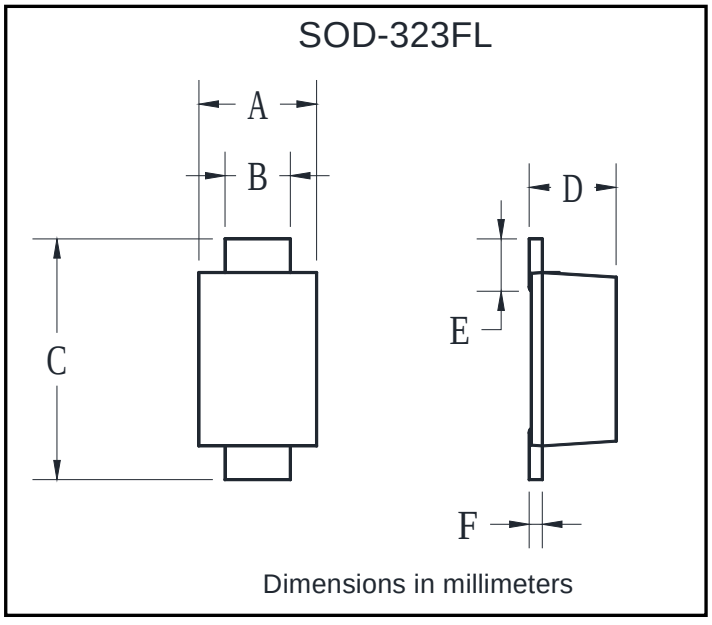
PARAMETER	

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

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary