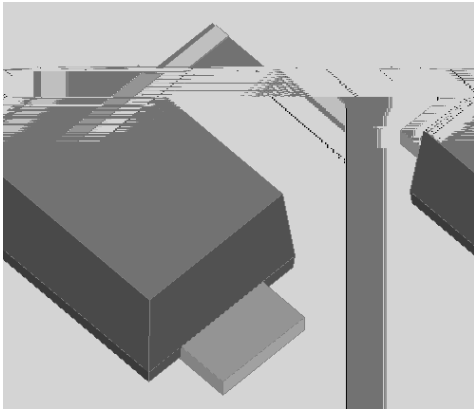
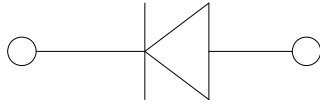


Surface Mount General Purpose Rectifier



Features

- Low profile package
- Ideal for automated placement
- Glass passivated chip junction
- High forward surge capability
- Meets MIL-STD-883C, Method 2000, Class B, per J-STD-020, LF m² terminals



Device marking code			1ML
Repetitive peak reverse voltage	V_{RRM}	V	1000
Maximum RMS voltage	V_{RMS}	V	700
Average rectified output current @60Hz sine wave, resistance load, $T_c=80$	I_O	A	1.0
Surge(non-repetitive)forward current @ 60Hz half-sine wave,1 cycle, $T_J=25$	I_{FSM}	A	18
Current Squared Time @1ms≤t<8.3ms $T_J=25$	I^2t	A ² s	1.34
Storage temperature	T_{STG}		-55 ~+150
Junction temperature	T_J		-55 ~+150

■Electrical Characteristics $T_J=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	FMG1M
Maximum instantaneous forward voltage drop per diode	V_F	V	$I_F=1.0A$	1.1
Typical junction capacitance	C_J	pF	$V_R=4V, 1\text{ MHz}$	3
Maximum DC reverse current at rated DC blocking voltage per diode	I_{RRM}	μA	$T_J=25$	5
			$T_J=125$	50



FMG1M

■ Outline Dimensions

SOD-323FL		
Dim	Min	Max
A	1.05	1.45



Disclaimer

The information presented in this document is for reference onl