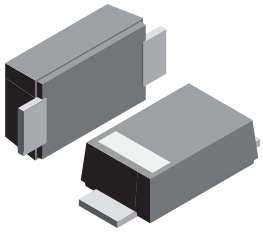
ZLLS350

LOW LEAKAGE SCHOTTKY DIODE



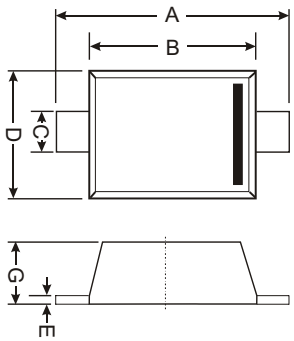
Features

- Low V_F
- 380mA continuous current rating
- Low profile SOD523 package
- **Lead Free By Design/RoHS Compliant (Note 1)**
- **"Green" Device (Note 2)**
- **Qualified to AEC-Q101 Standards for High Reliability**

Mechanical Data

- Case: SOD-523, Plastic
- Case material - UL Flammability Rating Classification 94V-0
- Marking Code: LM
- Weight: 0.002 grams (approx.)

RoHS COMPLIANT



SOD-523		
Dim	**Min**	**Max**
A	1.50	1.70
B	1.10	1.30
C	0.25	0.35
D	0.70	0.90
E	0.10	0.20
G	0.50	0.70
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics T_A = 25°C unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	Value	Unit
DC Blocking Voltage	V_{RM}	40	V
Continuous Forward current	I_F	380	mA
Average Peak Forward Current; duty cycle = 50%	I_{FAV}	650	mA
Non-Repetitive Forward Current @ t < 100µs @ t < 10ms	I_{FSM}	6.0 1.3	A
Power Dissipation at T_A = 25°C (Note 4)	P_D	357	mW
Power Dissipation at T_A = 25°C (Note 5)	P_D	413	mW
Operating and storage temperature range	T_{STG}	-55 to +150	°C
Junction Temperature	T_J	150	°C

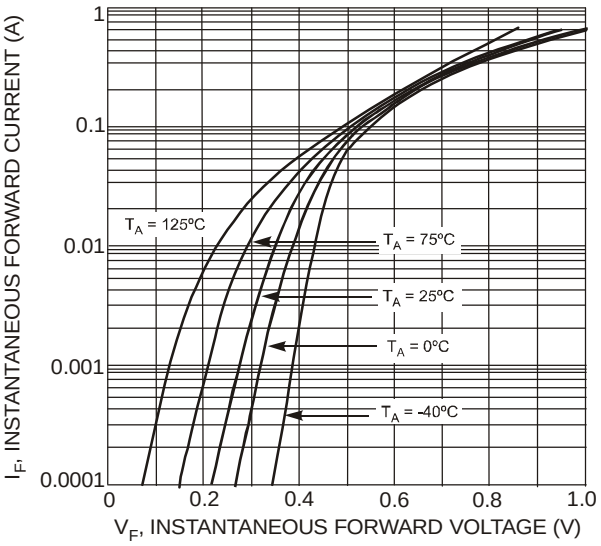


Fig. 1 Forward Characteristics

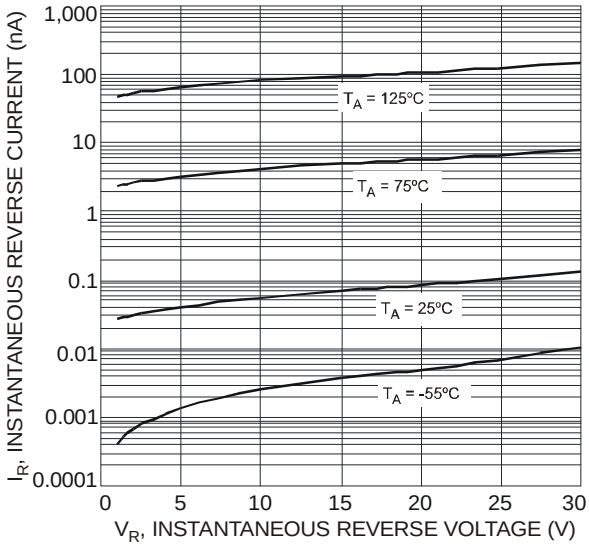


Fig. 2 Typical Reverse Characteristics

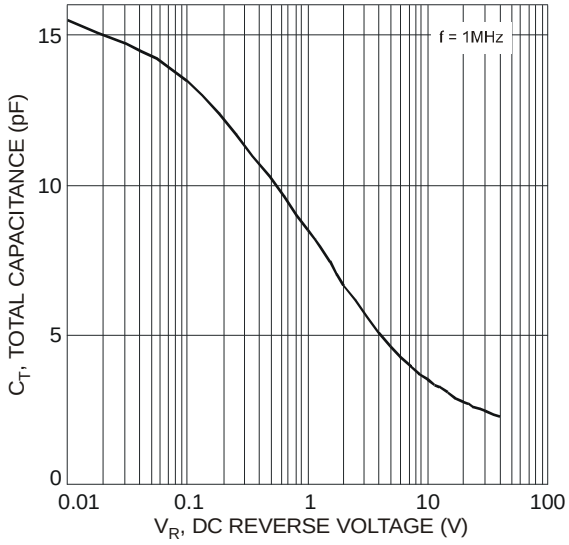


Fig. 3 Total Capacitance vs. Reverse Voltage

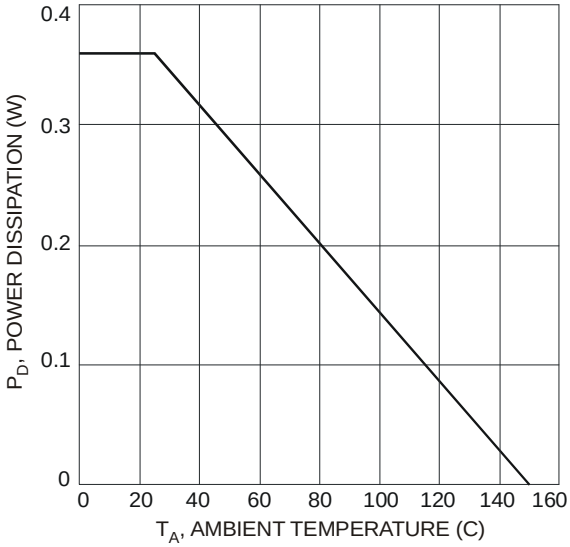


Fig. 4 Power Dissipation vs. Ambient Temperature