

MCL80G

查询"MCL80G"供应商

Silicon Epitaxial Planar Switching Diode

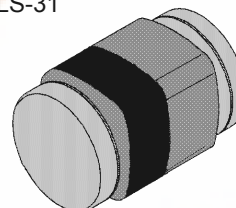
Features

- High speed
- High reliability
- Fits onto SOD-323 / SOT-23 footprints

Applications

- Ultra high speed switching

LS-31



Glass Case MicroMELF

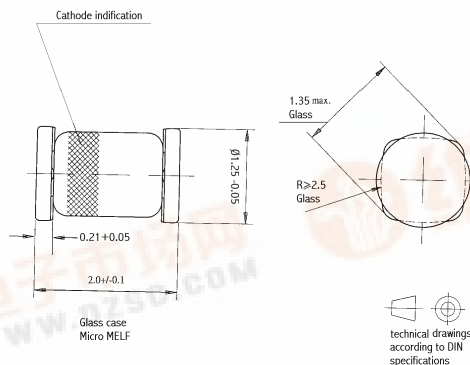
Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	80	V
Reverse Voltage	V_R	80	V
Average Rectified Forward Current	$I_{F(AV)}$	100	mA
Peak Forward Current	I_{FM}	300	mA
Surge Forward Current (1 μs)	I_{FSM}	4	A
Power Dissipation	P_{tot}	200	mW
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$

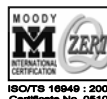
Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 100\text{ mA}$	V_F	1.2	V
Reverse Leakage Current at $V_R = 70\text{ V}$	I_R	0.1	μA
Diode Capacitance at $V_R = 6\text{ V}$, $f = 1\text{ MHz}$	C_d	3.5	pF
Reverse Recovery Time at $I_F = 5\text{ mA}$, $V_R = 6\text{ V}$	t_{rr}	4	ns

Dimensions in mm



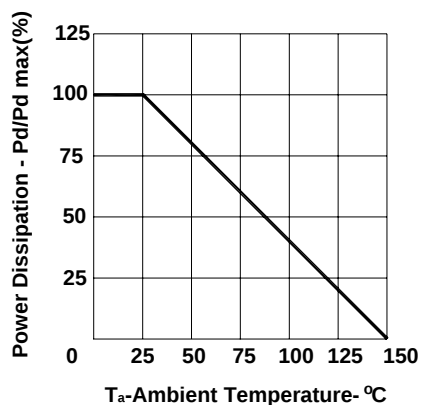
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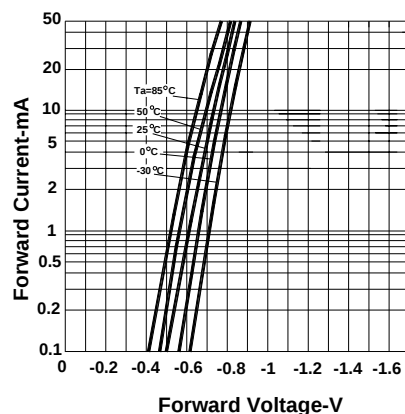


Dated : 15/06/2009

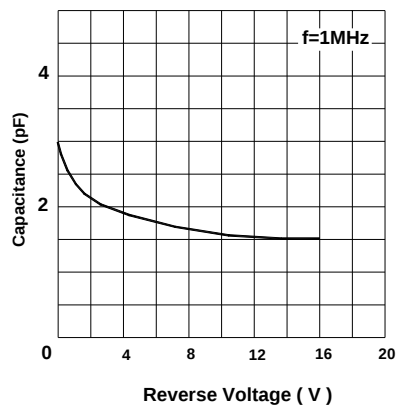
Power Attenuation Curve



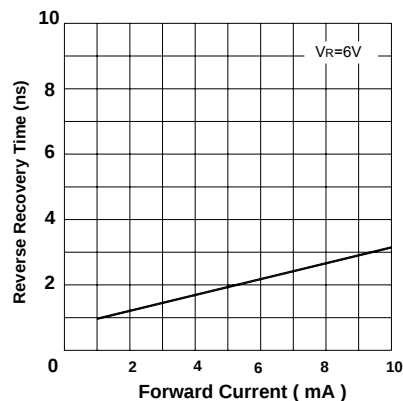
Forward Characteristics



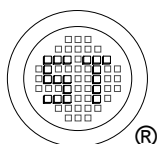
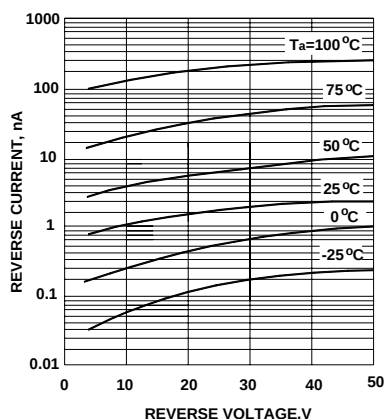
Capacitance



Reverse Recovery Time



REVERSE CHARACTERISTICS



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