

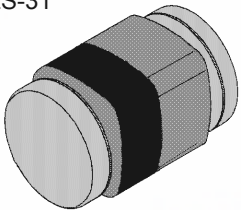
MCL-SS352

Silicon Epitaxial Planar Switching Diode

Features

- Small package
- Low forward voltage
- Fast reverse recovery time
- Small total capacitance

LS-31



Glass Case MicroMELF

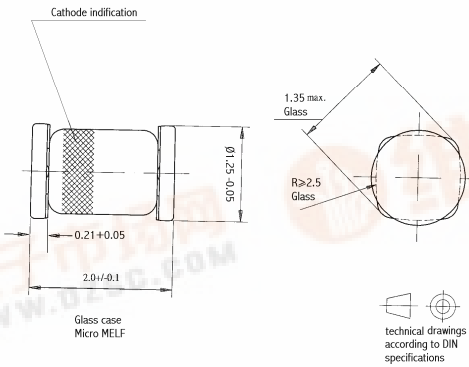
Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Maximum Peak Reverse Voltage	V _{RM}	85	V
Reverse Voltage	V _R	80	V
Average Rectified Forward Current	I _{F(AV)}	100	mA
Maximum Peak Forward Current	I _{FM}	200	mA
Surge Forward Current (10 ms)	I _{FSM}	1	A
Power Dissipation	P _{tot}	200	mW
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	- 55 to + 150	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Max.	Unit
Forward Voltage at I _F = 100 mA	V _F	1.2	V
Reverse Current at V _R = 30 V at V _R = 80 V	I _R	0.1 0.5	μA
Diode Capacitance at V _R = 0, f = 1 MHz	C _d	3	pF
Reverse Recovery Time at I _F = 10 mA	t _{rr}	4	ns

Dimensions in mm



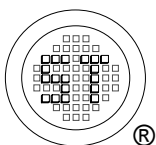
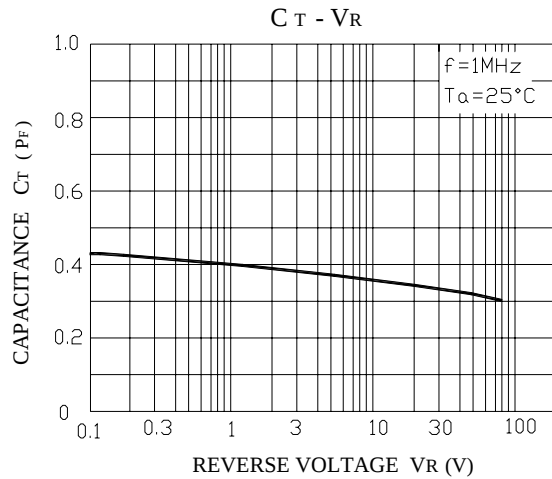
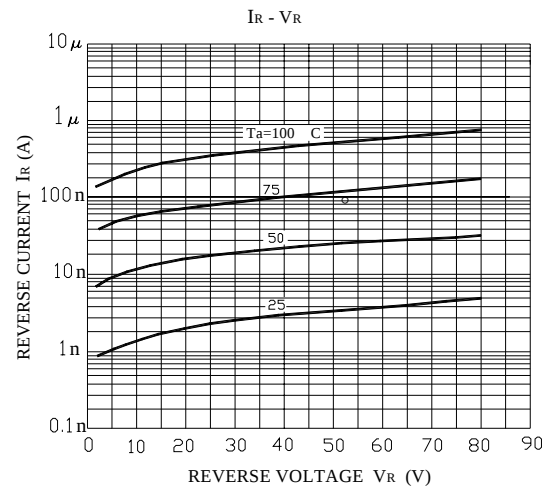
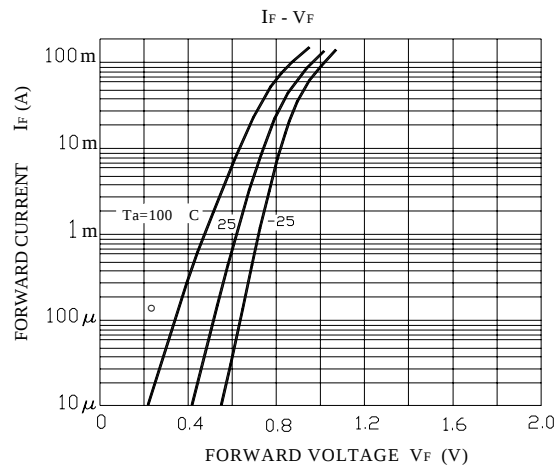
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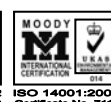
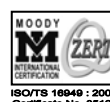
Dated : 15/06/2009

MCL-SS352

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