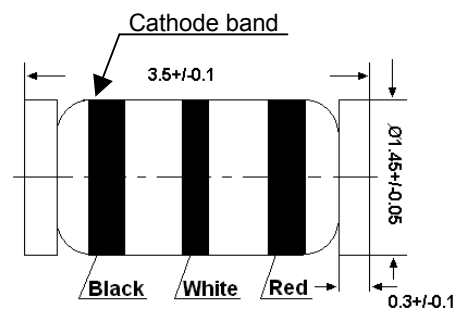


SILICON EPITAXIAL PLANAR DIODE

High Voltage Switching

General Purpose Rectification Applications

LL-34



Glass case MiniMELF
Dimensions in mm

Features

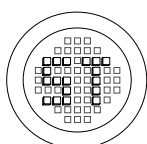
- Glass sealed envelope. (MSD)
- $V_{RM} = 250V$ guaranteed.
- High reliability.

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

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	250	V
DC reverse voltage	V_R	220	V
Peak forward current	I_{FM}	625	mA
Mean rectifying current	I_O	200	mA
Surge current(1s)	I_{surge}	1000	mA
Power dissipation	P_{tot}	300	mW
Junction temperature	T_j	175	$^\circ C$
Storage temperature	T_S	-65 to +175	$^\circ C$

Characteristics at $T_a = 25^\circ C$

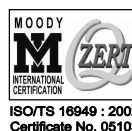
	Symbol	Min.	Typ.	Max.	Unit
Forward voltage at $I_F = 200mA$	V_F	-	-	1.5	V
Reverse current at $V_R = 220V$	I_R	-	-	10	μA
Capacitance between terminals at $f = 1MHz$	C_T	-	-	3	pF
Reverse recovery time at $I_F = 20mA$, $I_R = 20mA$, $R_L = 50\Omega$	t_{rr}	-	-	75	ns



®

SEMTECH ELECTRONICS LTD.

(Subsidiary of Semtech International Holdings Limited, a company
listed on the Hong Kong Stock Exchange, Stock Code: 724)



Dated : 02/04/2005