

SWITCHING DIODE

LL-34

Applications

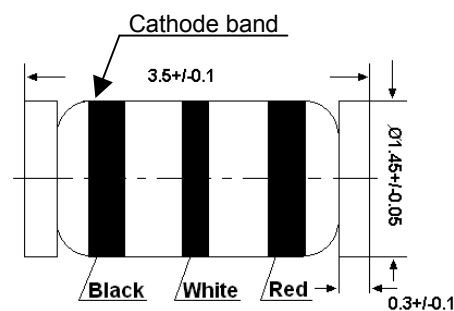
- High speed switching

Features

- High Speed ($t_r = 1.2\text{ns}$ Typ.)
- High reliability with high surge current handling capability.

Construction

- Silicon epitaxial planar.



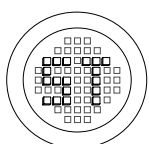
Glass case MiniMELF
Dimensions in mm

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

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	90	V
DC reverse voltage	V_R	80	V
Peak forward current	I_{FM}	225	mA
Mean rectifying current	I_o	100	mA
Surge current (1s)	I_{surge}	500	mA
Junction temperature	T_J	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +125	$^\circ\text{C}$

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

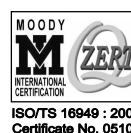
Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F	-	-	1.2	V	$I_F = 100\text{mA}$
Reverse current	I_R	-	-	0.1	μA	$V_R = 80\text{V}$
Capacitance between terminals	C_T	-	-	3	pF	$V_R = 0.5\text{V}$, $f = 1\text{MHz}$
Reverse recovery time	t_{rr}	-	-	4	ns	$V_R = 6\text{V}$, $I_F = 10\text{mA}$, $R_L = 100\Omega$



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



Dated : 02/04/2005