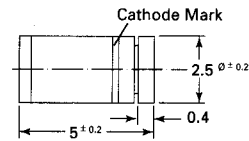


# LL4001 ... LL 4007

## Silicon Rectifiers

Nominal current 1A  
 Repetitive peak reverse voltage 50 ... 1000 V

These rectifiers are delivered taped.



MELF

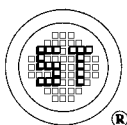
Weight approximately 0.25 g  
 Dimensions in mm

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

	Symbol	Value	Unit	
Repetitive Peak Reverse Voltage	LL 4001	$V_{RRM}$	50	V
	LL 4002	$V_{RRM}$	100	V
	LL 4003	$V_{RRM}$	200	V
	LL 4004	$V_{RRM}$	400	V
	LL 4005	$V_{RRM}$	600	V
	LL 4006	$V_{RRM}$	800	V
	LL 4007	$V_{RRM}$	1000	V
Nominal Current with Resistive Load at $T_{amb} = 25^\circ\text{C}$	$I_{FAV}$	1	A	
Surge Forward Current, @ 8.3 ms Superimposed	$I_{FSM}$	30	A	
Ambient Operating Temperature Range	$T_{amb}$	-65 to + 175	$^\circ\text{C}$	
Storage Temperature Range	$T_s$	-65 to + 175	$^\circ\text{C}$	

## Characteristics

	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage at $I_F = 1\text{ A}$ , $T_J = 25^\circ\text{C}$	$V_F$	-	-	1.1	V
Leakage Current at $V_{RRM}$ , $T_J = 25^\circ\text{C}$	$I_R$	-	-	5	$\mu\text{A}$



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