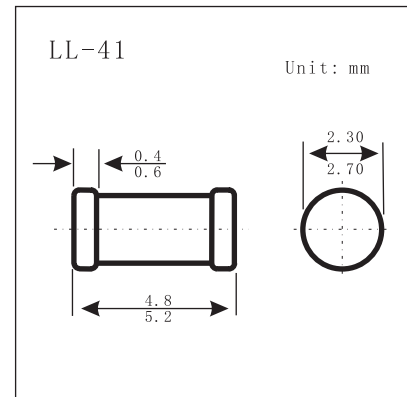


## Silicon Rectifiers Diodes

## KLL4001-KLL4007

## ■ Features

- Nominal Current 1A
- Repetitive Peak Reverse Voltage 50□ 1000V

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

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	KLL4001	50	V
	KLL4002	100	
	KLL4003	200	
	KLL4004	400	
	KLL4005	600	
	KLL4006	800	
	KLL4007	1000	
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	$T_{STG}$	-65 to +175	$^\circ\text{C}$

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

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F = 1.0\text{mA}$ , $T_j = 25^\circ\text{C}$			1.1	V
Leakage Current	$I_R$	at $V_R$ , $T_j = 25^\circ\text{C}$			5	$\mu\text{A}$