

# Leadless high voltage switching diode

## RLS245

**●Applications**

High voltage switching  
General purpose rectification

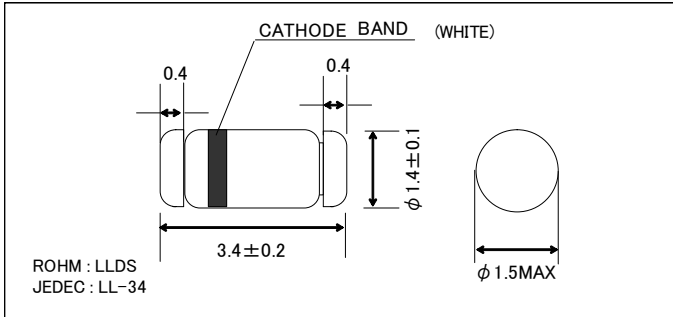
**●Features**

- 1) Ultra small. (LLDS)
- 2) For surface mounting.
- 3) High voltage and high reliability.

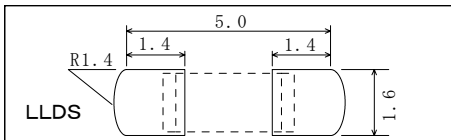
**●Construction**

Silicon epitaxial planar

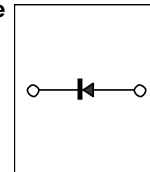
**●External dimensions (Unit : mm)**



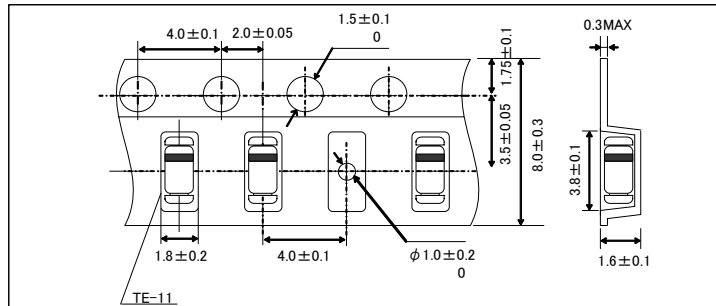
**●Land size figure (Unit : mm)**



**●Structure**



**●Taping specifications**



**●Absolute maximum ratings (Ta=25°C)**

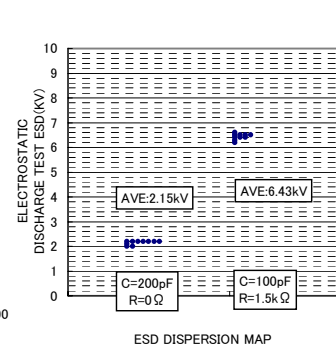
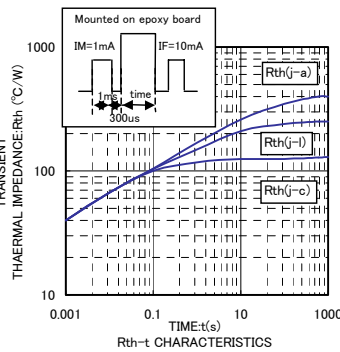
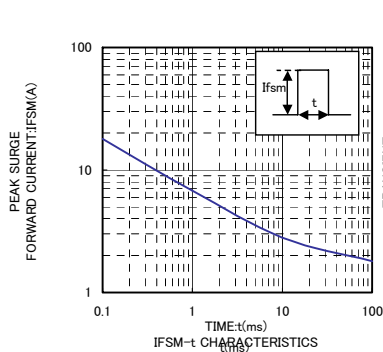
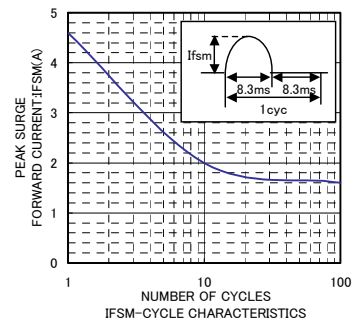
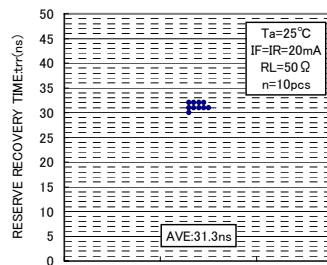
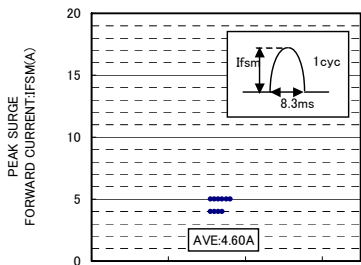
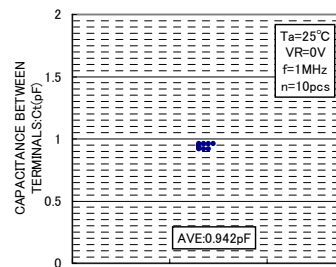
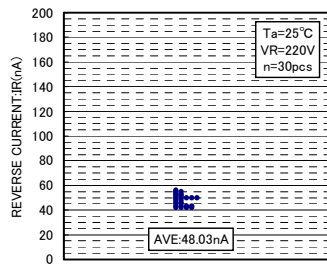
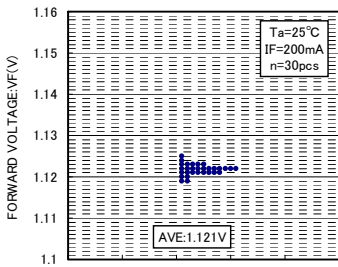
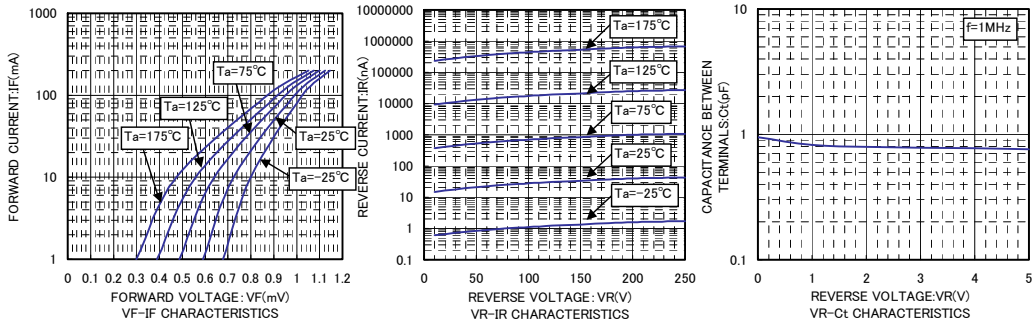
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	250	V
Reverse voltage (DC)	$V_R$	220	V
Forward current	$I_{FM}$	625	mA
Average rectified forward current	$I_o$	200	mA
Surge current (1s)	$I_{surge}$	1000	mA
Power dissipation	P	300	mW
Junction temperature	$T_j$	175	°C
Storage temperature	$T_{stg}$	-65 to +175	°C

**●Electrical characteristics (Ta=25°C)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	1.5	V	$I_F=200mA$
Reverse current	$I_R$	-	-	10	μA	$V_R=220V$
Capacitance between terminals	$C_t$	-	-	3.0	pF	$V_R=0V, f=1MHz$
Reverse recovery time	$T_{rr}$	-	-	75	ns	$I_R=20mA, I_F=20mA, RL=50\Omega$

Diodes

● Electrical characteristic curves (Ta=25°C)



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