# Leadless high voltage switching diode RLS245

### Applications

High voltage switching General purpose rectification

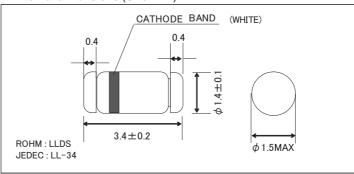
#### Features

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

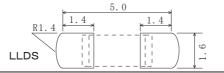
### Construction

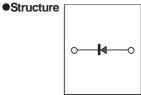
Silicon epitaxial planar

#### •External dimensions (Unit : mm)

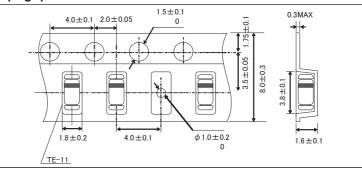








#### Taping specifications



#### •Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V <sub>RM</sub>	250	V
Reverse voltage (DC)	V <sub>R</sub>	220	V
Forward current	I <sub>FM</sub>	625	mA
Average rectified forward current	lo	200	mA
Surge current (1s)	I <sub>surge</sub>	1000	mA
Power dissipation	Р	300	mW
Junction temperature	Tj	175	°C
Storage temperature	Tstg	-65 to +175	°C

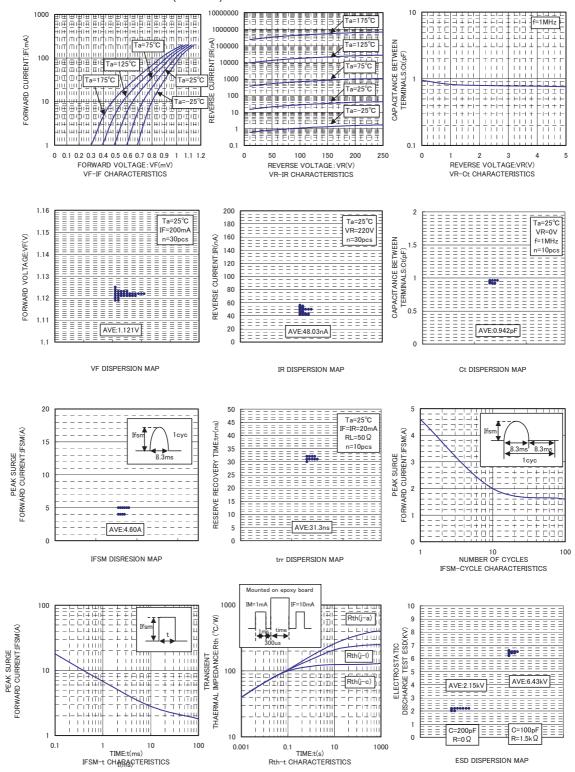
## •Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	1.5	V	I <sub>F</sub> =200mA
Reverse current	I <sub>R</sub>	-	-	10	μA	V <sub>R</sub> =220V
Capacitance between terminals	Ct	-	-	3.0	pF	V <sub>R</sub> =0V , f=1MHz
Reverse recovery time	Trr	-	-	75	ns	I <sub>R</sub> =20mA,I <sub>F</sub> =20mA,RL=50Ω



## Diodes

#### Electrical characteristic curves (Ta=25°C)



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