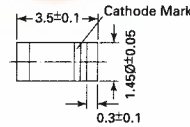


# RLS245

## Silicon Epitaxial Planar Diode

fast switching diode in MiniMELF case especially suited for automatic surface mounting.

These diodes are delivered taped.  
Details see "Taping".



Glass case MiniMELF

Weight approx. 0.05g  
Dimensions in mm

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

	Symbol	Value	Unit
Reverse Voltage	$V_R$	220	V
Peak Reverse Voltage	$V_{RM}$	250	V
Mean Rectified Current Half Wave Rectification with Resistance load at $T_{amb} = 25\text{ }^\circ\text{C}$ and $f \geq 50\text{ Hz}$	$I_0$	200	mA
Maximum Forward Current	$I_{FM}$	625	mA
Surge Forward Current at $t < 1\text{ s}$ and $T_j = 25\text{ }^\circ\text{C}$	$I_{FSM}$	1000	mA
Junction Temperature	$T_j$	175	$^\circ\text{C}$
Storage Temperature Range	$T_s$	-65 to + 175	$^\circ\text{C}$

<sup>1)</sup> Valid provided that electrodes are kept at ambient temperature

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

	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage at $I_F = 200\text{ mA}$	$V_F$	-	-	1.5	V
Leakage Current at $V_R = 220\text{ V}$	$I_R$	-	-	10	$\mu\text{A}$
Reverse Breakdown Voltage tested with 100 $\mu\text{A}$ Pulses	$V_{BR}$	250	-	-	V
Capacitance at $V_F = V_R = 0$ , $f = 1.0\text{ MHz}$	$C_{tot}$	-	-	3	pF
Reverse Recovery Time from $I_F = I_R = 20\text{ mA}$	$t_{rr}$	-	-	75	ns