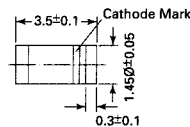


RLS245

Silicon Expitaxial 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

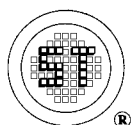
Weight approx. 0.05g
Dimensions in mm

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_o	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	$^\circ\text{C}$
1) 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	μA
Reverse Breakdown Voltage tested with 100 μA 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



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