查询RLS4448供应商 捷多邦，专业PCB打样工厂，24小时加急出货

Switching diode

RLS4148 / RLS4150 / RLS4448

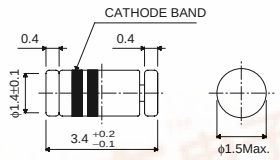
∗This product is available only outside of Japan.

●Applications
High-speed switching

●Features
1) Small surface mounting type. (LLDS)
2) High speed.
3) For surface mounting.
4) High reliability.

●Construction
Silicon epitaxial planar

●External dimensions (Units : mm)



ROHM : LLDS
EIAJ : –
JEDEC : LL-34

●Absolute maximum ratings (Ta = 25°C)

Type	V_{RM} (V)	V_R (V)	I_{FM} (mA)	I_O (mA)	I_F (mA)	I_{FSM} 1μs (A)	P (mW)	Tj (°C)	Topr (°C)	Tstg (°C)
RLS4148	100	75	450	150	200	2	500	200	–65~+200	–65~+200
RLS4150	50	50	600	200	250	4	500	200	–65~+200	–65~+200
RLS4448	100	75	450	150	200	2	500	200	–65~+200	–65~+200

●Electrical characteristics (Ta = 25°C)

Type	V_F (V) @1mA	@5mA	@10mA	@50mA	@100mA	@200mA	B_V (V)Min. @5μA	@100μA	I_R (μA)Max. @25°C	V_R (V)	@150°C	V_R (V)	Cr (pF) V_R=0 f=1MHz	t_{rr} (ns) V_R=6V I_F=10mA R_L=100Ω
RLS4148			1.0				75	100	0.025	20	50.0	20	4	4
									5.0	75				
RLS4150	0.54 / 0.62		0.66 / 0.74	0.76 / 0.86	0.82 / 0.92	0.87 / 1.0	–	50	0.1	50	100.0	50	2.5	4
RLS4448		0.62 / 0.72			1.0		–	100	0.025	20	50.0	20	4	4
									5.0	75				

The upper figure is the minimum V_F and the lower figure is the maximum V_F value.

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●**Electrical characteristic curves** (Ta = 25°C)

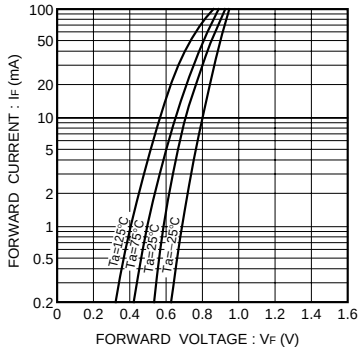

Fig.1 Forward characteristics

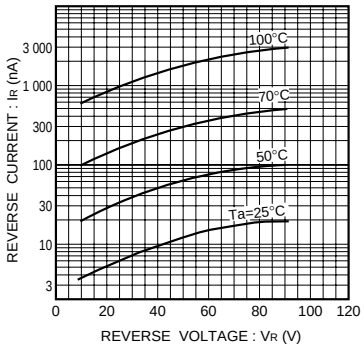

Fig.2 Reverse characteristics

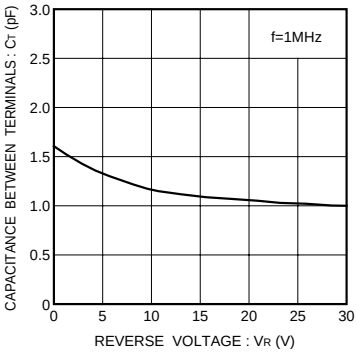

Fig.3 Capacitance between terminals characteristics

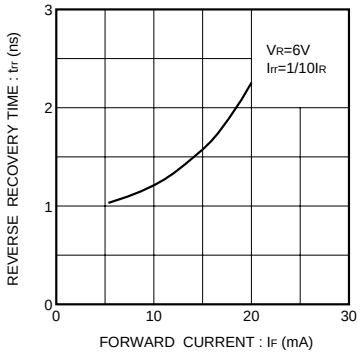

Fig.4 Reverse recovery time characteristics

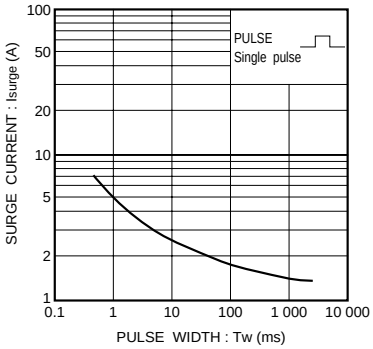

Fig.5 Surge current characteristics

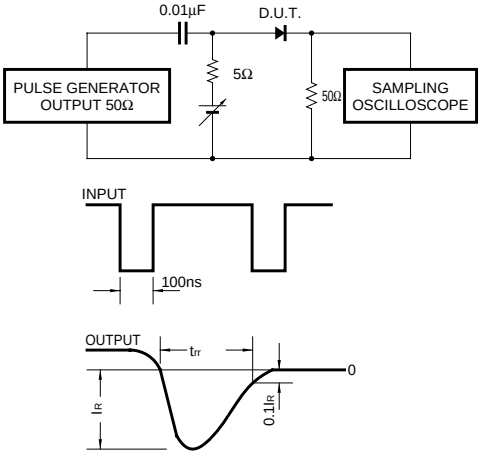

Fig.6 Reverse recovery time (t_{rr}) measurement circuit