



† **ABSOLUTE MAXIMUM RATING: (Ta=25°C)**

| Part No. | P _D (mw) | V _{(BR)R} (V) | Topr | Tstg |
|--|--------------------------|------------------------|------------------------------------|----------------------------------|
| L-SC1R9PD1XX | 0.1 | 30 | -35°C to 85°C | -35°C to 85°C |
| PARAMETER | Power Dissipation | Reverse Voltage | Operating Temperature Range | Storage Temperature Range |
| Lead Soldering Temperature {1.6mm(0.063 inch)From Body}250°C ±5°C For 3 Seconds | | | | |

† **ELECTRO-OPTICAL CHARACTERISTICS: (Ta=25°C)**

| Part No. | I _D (nA) | | | V _{(BR)R} (V) | | | V _{OC} (mV) | | | I _L (uA) | | | t _{ON} /t _{OFF} (nS) | | | C _T (pF) | | | λ _P (nm) | | |
|-----------------------|--|-----|-----|--|-----|-----|--|-----|-----|---|-----|-----|---|-------|-----|---|-----|-----|---------------------------------|------|------|
| | MIN | TYP | MAX | MIN | TYP | MAX | MIN | TYP | MAX | MIN | TYP | MAX | MIN | TYP | MAX | MIN | TYP | MAX | MIN | PEAK | MAX |
| L-SC1R9PD1C | | 5 | 30 | 33 | 170 | | | 390 | | 30 | 40 | | | 45/45 | | | 18 | | 400 | | 1050 |
| L-SC1R9PD1D1 | | 5 | 30 | 33 | 170 | | | 390 | | 30 | 40 | | | 45/45 | | | 18 | | 900 | 940 | |
| L-SC1R9PD1D2 | | 5 | 30 | 33 | 170 | | | 390 | | 30 | 40 | | | 45/45 | | | 18 | | 800 | 870 | |
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| TEST CONDITION | V _R =10V E _e =0mW/cm ² | | | I _R =100uA E _e =0mW/cm ² | | | λ _P =940nm E _e =0.5mW/cm ² | | | V _R =5V E _e =0.1mW/cm ² | | | V _R =10V R _L =100Ω [| | | f=1MHZ V _R =5V E _e =0mW/cm ² | | | | | |
| PARAMETER | REVERSE DARK CURRENT | | | REVERSE BREAKDOWN VOLTAGE | | | OPEN CIRCUIT VOLTAGE | | | LIGHT CURRENT | | | TURN-ON TURN-OFF TIME | | | TOTAL CAPACITANCE | | | SPECTRAL SENSITIVITY WAVELENGTH | | |

D1,D2=BLACK

- 1.All dimension are in millimeters (inches).
- 2.Tolerance is ± 0.25 mm (0.01") unless otherwise specified.