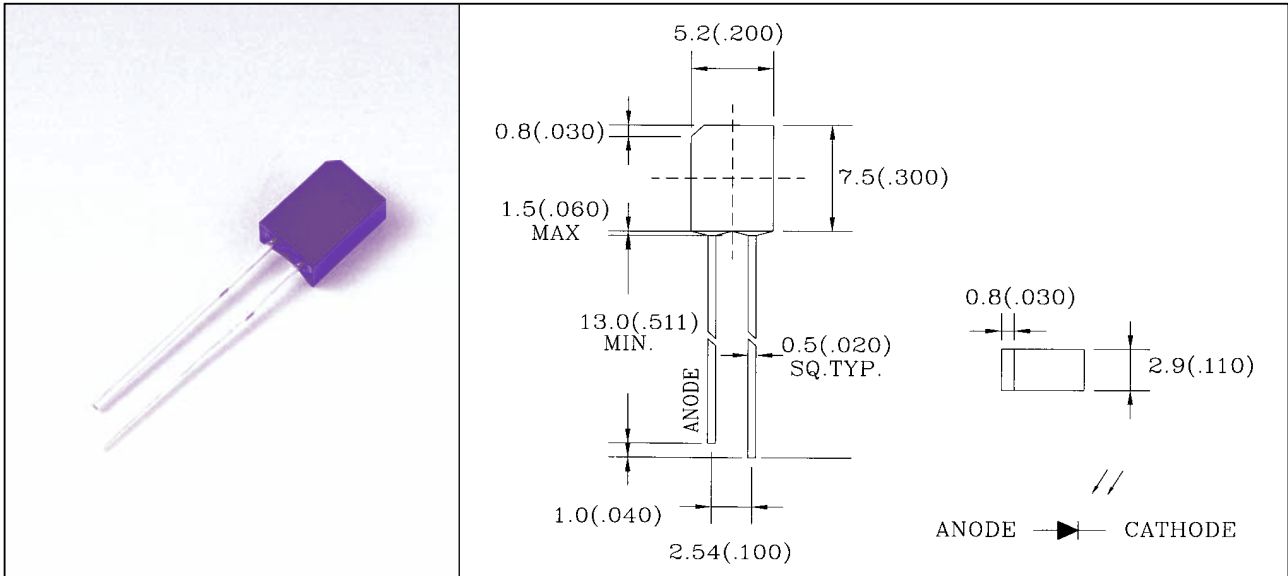




L-SB1R9PD1XX PHOTODIODE



◆ABSOLUTE MAXIMUM RATING:(Ta=25°C)

Part No.	P _D (mw)	V _{(BR)R} (V)	Topr	Tstg
L-SB1R9PD1XX	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)			ton/toff (nS)			C _T (pF)			λ (nm)		
	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MIN	PEAK	MAX
L-SB1R9PD1C		5	30	33	170			390		30	40			45/45		18		400		1050	
L-SB1R9PD1D1		5	30	33	170			390		30	40			45/45		18		900	940		
L-SB1R9PD1D2		5	30	33	170			390		30	40			45/45		18		800	870		
TEST CONDITION	V _R =10V Ee=0mW/cm ²			I _R =100uA Ee=0mW/cm ²			λ _c =940nm Ee=0.5mW/cm ²			V _R =5V Ee=0.1mW/cm ²			V _R =10V R _L =100Ω			f=1MHZ V _R =5V Ee=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.