



φ5mm Silicon Pin Photodiode

◆ABSOLUTE MAXIMUM RATING: (Ta=25°C)

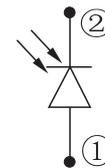
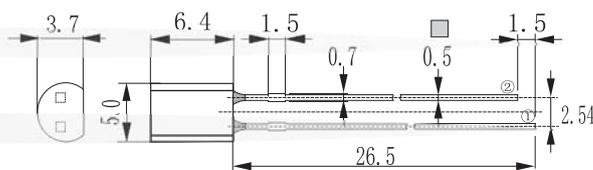
Part Number	P <sub>D</sub> (mw)	V <sub>(BR)R</sub> (V)	Topr	Tstg
	100	30	-20°Cto85°C	-40°Cto85°C
PARAMETER	Power Dissipation	Reverse Voltage	Operating Temperature Range	Storage Temperature Range
Lead Soldering Temperatuer {1.6mm(0.063inch)From Body } 250°C ±5°CFor3Seconds				

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

Part Number	I <sub>D</sub> (uA)			V <sub>(BR)</sub> (RV)			V <sub>OC</sub> (mV)			I <sub>L</sub> (uA)			T <sub>ON</sub> /t <sub>OFF</sub> (uS)			C <sub>T</sub> (pF)			λ <sub>p</sub> (nm)		
	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX
CL-5PD12D <sub>1</sub>	5	30	33	170			390	30	40				6/6			10			400		1050
CL-5PD12D <sub>2</sub>	5	30	33	170			390	30	40				6/6			10			900	940	
CL-5PD12D <sub>3</sub>	5	30	33	170			390	30	40				6/6			10			800	870	
TEST CONDITION	V <sub>R</sub> :10V Ee=0m W/cm <sup>2</sup>			I <sub>R</sub> =100uA Ee=0m W/cm <sup>2</sup>			λ=940nm Ee=5m W/cm <sup>2</sup>			V <sub>R</sub> =5V Ee=5m W/cm <sup>2</sup>			V <sub>R</sub> =10V RL=1KΩ			F=1MHZ V <sub>R</sub> =5V Ee=0m W/cm <sup>2</sup>					
PARAMETER	REVERSE DARK CURRENT			REVERSE BREAKDOWN VOLTAGE			OPEN CIRCUIT VOLTAGE			REVERSE LIGHT CURRENT			TURN-ON TURN-OFF TIME			TOTAL CAPACITANCE			SPECTRAL SENSITIVITY WAVELENGTH		

Package Outlines

(unit:mm)



Remark: 1. All dimensions are in millimeters, tolerance is 0.25mm unless otherwise noted.  
 2. Above specification is measured by CHANGLI's test instrument and may be changed without notice.  
 3. Supplier will reserve authority on material change for above specification.