

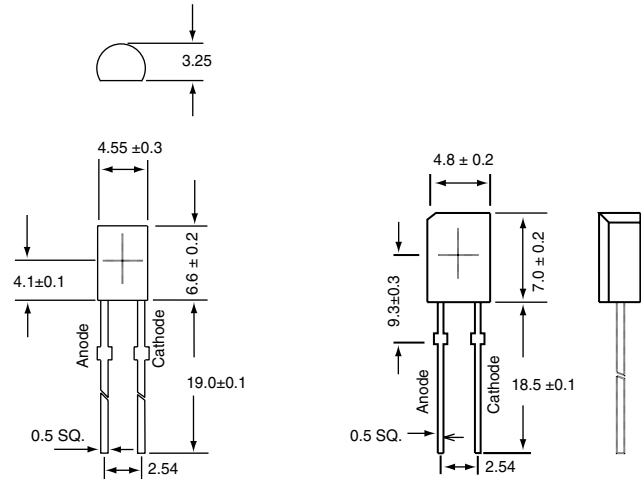
PIN SILICON PHOTO DIODE

FEATURES:

- High Sensitivity, Low Dark Current
- Fast Response Time.
- Compatible with HIR series IR LEDs

USES:

- Remote Control for Photo Sensor
- Optical Switch



Maximum Ratings (T_a=25°)

HPC726

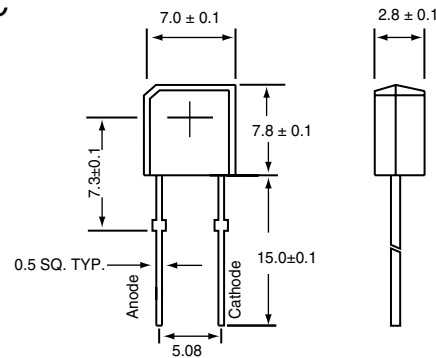
HPC712

Reverse Breakdown Voltage (V_R) = 32V

Power Dissipation (P_M) = 150mW

Operating Temperature Range (T_{OP}) = -20 to +80°C

Storage Temperature (T_{ST}) = -40 to + 90°C



HPC711

Optoelectric Characteristics (T_a=25°C)

PARAMETER	Unit	Test Condition	Min.	Typ.	Max.
Dark Current (I _P)	nA	V _R = 10V, E = 0	-	2	30
Peak Emission Wavelength (λ _P)	nm		-	940	-
Short Circuit Current (I _{sc})	μA	E = 5m ² W/cm V _R =0V	50	-	-
Light Current (I _L)	μA	E = 5mW/cm V _R =10V	50	-	-
Rise / Fall Time (t _r /t _f)	nS	R _L =1KΩ V _R =10V	-	50	-
Capacitance (C ₀)	pF	I _F =50mA	-	25	30