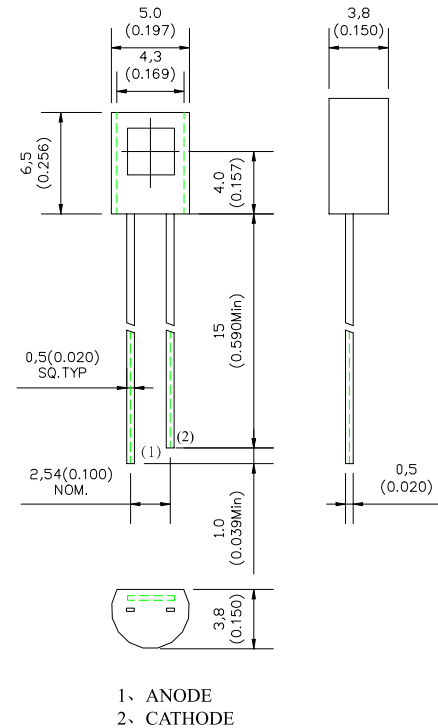




## MCD-4802PD (4.8mm Photodiode) Black Lens packaged

ABSOLUTE MAXIMUM RATING:(Ta=25°C)

Parameter			Unit
DC Forward Current	30		mA
Reverse Voltage	5		V
Reverse Current (Vr=5V)	10		μA
Peak Forward Current ,tw ,=1 msec Duty ,=1/20	150		mA
Operation Temperature	-25	+80	°C
Storage Temperature	-40	+85	°C
Solder Dip Temperature (5 seconds,1.6mm from body )	300	±5	°C



Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Rang of Spectral Bandwidth	$\lambda_{0.5}$	_____	_____	840-1200	_____	nm
Wavelength of Peak Sensitivity	$\lambda_p$	_____	_____	980	_____	nm
Open-Circuit Voltage	Voc	Ee=5m W/cm2 $\lambda_p = 940\text{nm}$	_____	0.39	_____	V
Short-Circuit Current	Isc	Ee=5m W/cm2 $\lambda_p = 940\text{nm}$	30	40	_____	μ A
Reverse Light Current	IL	Ee=5m W/cm2 $\lambda_p = 940\text{nm}$ $V_R=5V$	30	40	_____	
Dark Current	ID	Ee=0 W/cm2 $V_R=10V$	5	30	_____	nA
Reverse Breakdown	BVR	Ee=0 W/cm2 $I_R=100 \mu A$	32	170	_____	V
Total Capacitance	Ct	Ee=0 W/cm2 $V_R=3V$ $F=1\text{MHZ}$	_____	18	_____	pF
Rise/Fall Time	T / t f	$V_R=10V$ $R_L=1K \Omega$	_____	50/50	_____	ns