

5 MM IR PHOTODIODE WITH BLACK LENS PACKAGE

Parameters			Unit
DC forward current	30		mA
Reverse voltage	5		V
Reverse current (Vr=5V)	10		µA
Peak forward current, tw=1 ms, Duty = 1/20	150		mA
Operation temperature	-25	+80	°C
Storage temperature	-40	+85	°C
Solder dip temperature (5 sec.)	300	+/- 5	°C

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Rang of Spectral Bandwidth	λ0,5	-	-	840-1200	-	nm
Wavelength of Peak Sensitivity	λp	-	-	980	-	nm
Open-Circuit Voltage	Voc	Ee=5m W/cm2 λp =940nm	-	0,42	-	V
Short-Circuit Current	Isc	Ee=5m W/cm2 λp =940nm	-	2	-	µA
Reverse Light Current	IL	Ee=5m W/cm2 λp =940nm VR=5V	-	2	-	µA
Dark Current	ID	Ee=0 W/cm2 VR=10V	-	10	-	nA
Reverse Breakdown	BVR	Ee=0 W/cm2 IR=100µ A	32	170	-	V
Total Capacitance	Ct	Ee=0 W/cm2 VR=3V F=1MHZ	-	5	-	pF
Rise/Fall Time	T-t	VR=10V RL=1KΩ	-	6/6	-	ns

