



## ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
<b>Active Area</b>	45W		1		mm <sup>2</sup>
	95W		5		mm <sup>2</sup>
Peak Sensitivity	$V_R = 0V$		880		nm
<b>Responsivity at 880nm</b>		0.5	0.6		A/W
<b>Responsivity at 750nm</b>			0.01		A/W
<b>Responsivity at 650nm</b>			0.005		A/W
Spectral Bandwidth at 50%				60	
Dark Current	45W $V_R = 5V$		0.4	2	nA
	95W $V_R = 5V$		1	5	nA
Shunt Resistance	45W $V_R = 10\text{ mV}$		3		Gohm
	95W $V_R = 10\text{ mV}$		1		Gohm
Response Time	45W $V_R = 5V, R_L = 50\Omega$		1		$\mu\text{sec}$
	95W $V_R = 5V, R_L = 50\Omega$		1		$\mu\text{sec}$
Breakdown Voltage	45W $I_R = 10\mu A$	20	30		V
	95W $I_R = 10\mu A$	5	10		V
Capacitance	45W $V_R = 0V$		170		pF
	45W $V_R = 5V$		90		pF
	95W $V_R = 0V$		700		pF
	95W $V_R = 5V$		350		pF

## ABSOLUTE MAXIMUM RATINGS AT 25°C

Storage and Operating Temperature Range	-55°C to 100°C
Maximum Junction Temperature	100°C
Lead Soldering Temperature (1/16" from case for 10 sec)	240°C

