



FEATURES

- High sensitivity
- Short switching time
- Low capacitance
- Surface mount package



ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Range of Spectral Bandwidth, $\lambda_{0.5}$	-	400	-	1100	nm
Wavelength of Peak Sensitivity, λ_p	-	-	940	-	nm
Responsivity	$\lambda_p = 940\text{nm}$	-	0.44	-	A/W
Reverse Dark Current, I_p	$V_R = 10\text{V}$	-	5	-	nA
Reverse Breakdown Voltage, B_{VR}	$I_R = 100\mu\text{A}$	32	170	-	Volts
Total Capacitance, C_t	$V_R = 3\text{V}, f = 1\text{MHz}$	-	25	-	pF
Rise/Fall Time, t_r/t_f	$V_R = 10\text{V}, R_L = 1\text{K}\Omega$	-	50/50	-	nSec

THERMAL PARAMETERS

Operating Temperature Range	-25°C TO +85°C
Storage Temperature Range	-40°C TO +85°C
Power Dissipation at (or below) 25°C Free Air Temperature	150mW
Soldering Temperature ¹ (Soldering time 5 sec max.)	260°C



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