



BASIC CHARACTERISTICS						
PARAMETER	TEST CONDITION	SYMBOL	MIN.	TYP.	MAX.	UNIT
Breakdown voltage	$I_R = 100 \mu A, E = 0$	$V_{(BR)}$	60			V
Reverse dark current	$V_R = 10 V, E = 0$	I_{ro}		2	30	nA
Diode capacitance	$V_R = 0 V, f = 1 MHz, E = 0$	C_D		70		pF
	$V_R = 3 V, f = 1 MHz, E = 0$	C_D		25	40	pF
Open circuit voltage	$E_e = 1 mW/cm^2, \lambda = 950 nm$	V_o		350		mV
Temperature coefficient of V_o	$E_e = 1 mW/cm^2, \lambda = 950 nm$	TK_{V_o}		- 2.6		mV/K
Short circuit current	$E_A = 1 klx$	I_k		70		μA
	$E_e = 1 mW/cm^2, \lambda = 950 nm$	I_k		47		μA
Temperature coefficient of I_k	$E_e = 1 mW/cm^2, \lambda = 950 nm$	TK_{I_k}		0.1		%/K
Reverse light current	$E_A = 1 klx, V_R = 5 V$	I_{ra}		75		μA
	$E_e = 1 mW/cm^2, \lambda = 950 nm, V_R = 5 V$	I_{ra}	40	50		μA
Angle of half sensitivity		ϕ		± 65		deg
Wavelength of peak sensitivity		λ_p		900		nm
Range of spectral bandwidth		$\lambda_{0.1}$		430 to 1100		nm
Noise equivalent power	$V_R = 10 V, \lambda = 950 nm$	NEP		4×10^{-14}		W/\sqrt{Hz}
Rise time	$V_R = 10 V, R_L = 1 k\Omega, \lambda = 820 nm$	t_r		100		ns
Fall time	$V_R = 10 V, R_L = 1 k\Omega, \lambda = 820 nm$	t_f		100		ns

Note

$T_{amb} = 25 \text{ }^\circ C$, unless otherwise specified

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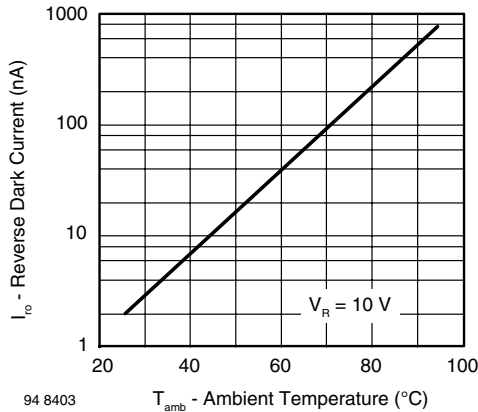


Fig. 1 - Reverse Dark Current vs. Ambient Temperature

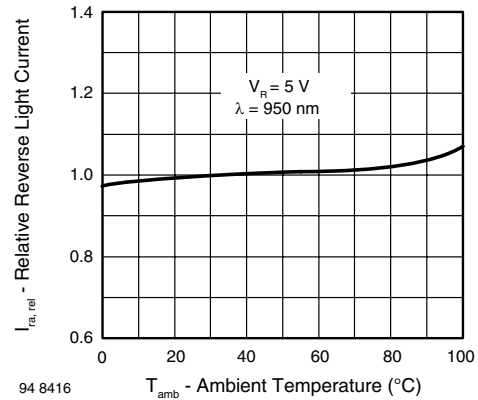


Fig. 2 - Relative Reverse Light Current vs. Ambient Temperature

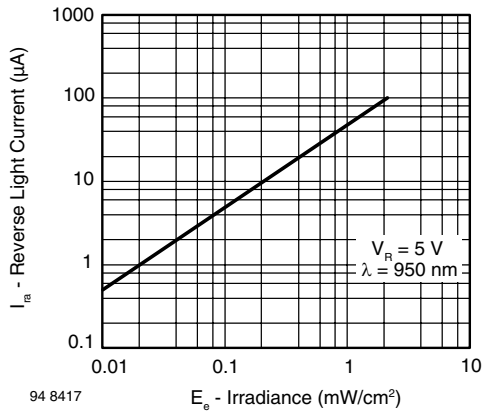


Fig. 3 - Reverse Light Current vs. Irradiance

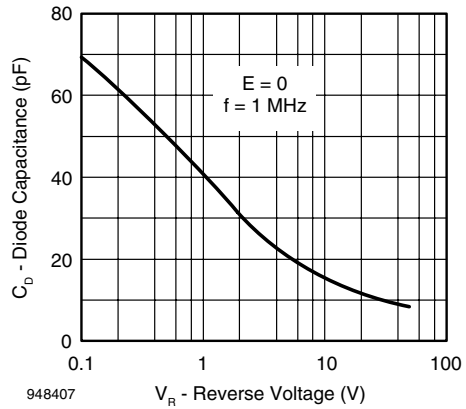


Fig. 6 - Diode Capacitance vs. Reverse Voltage

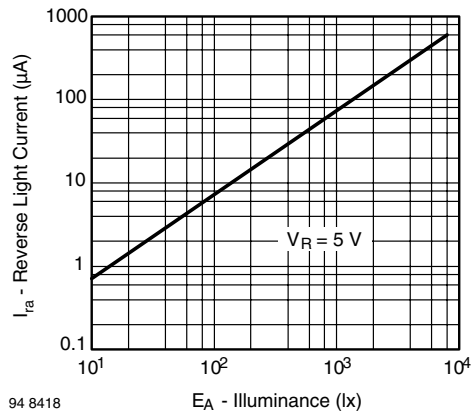


Fig. 4 - Reverse Light Current vs. Illuminance

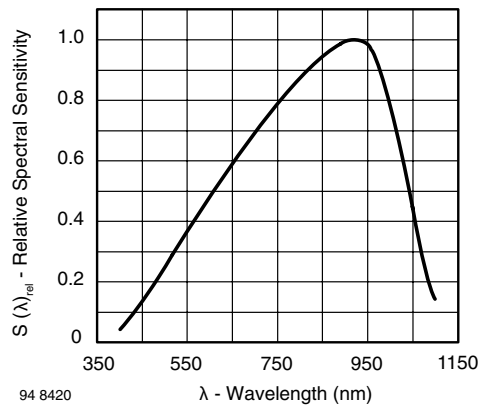


Fig. 7 - Relative Spectral Sensitivity vs. Wavelength

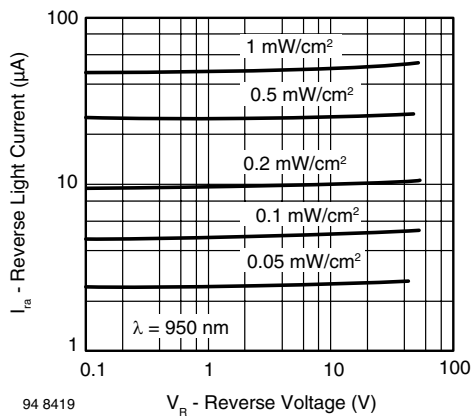


Fig. 5 - Reverse Light Current vs. Reverse Voltage

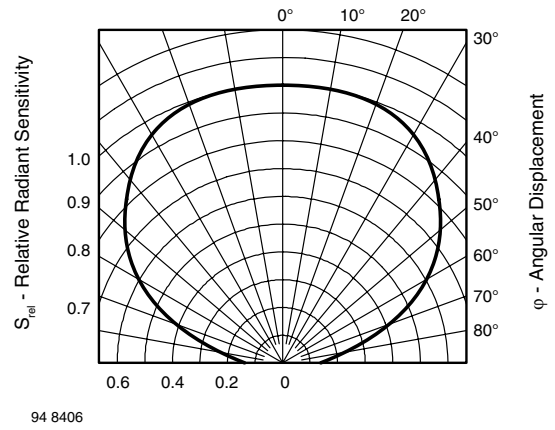
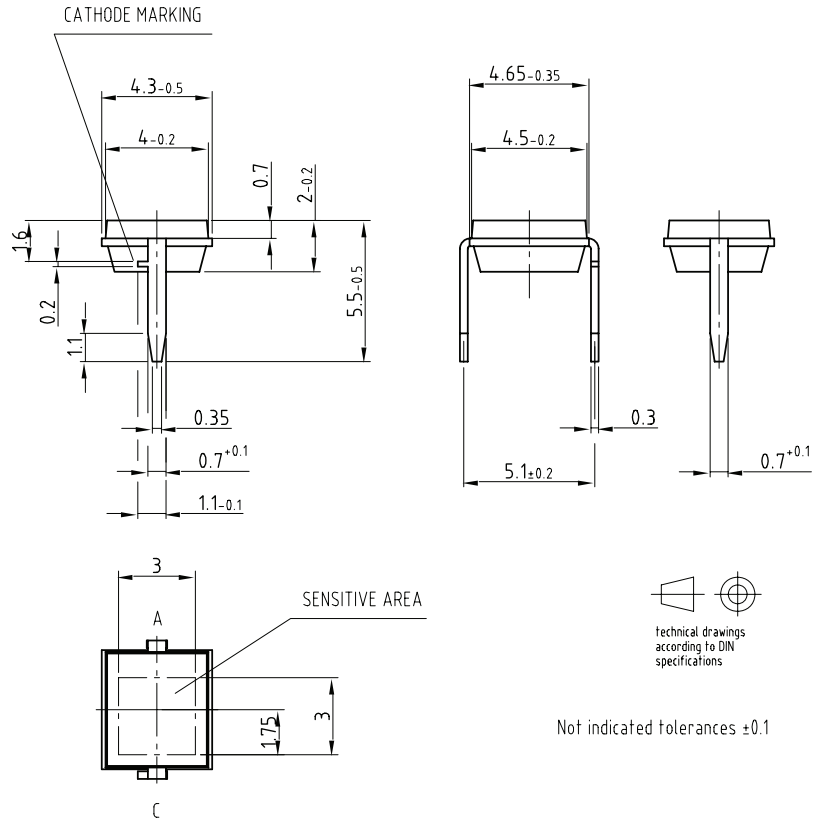


Fig. 8 - Relative Radiant Sensitivity vs. Angular Displacement



PACKAGE DIMENSIONS in millimeters



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TUBE PACKAGING DIMENSIONS in millimeters

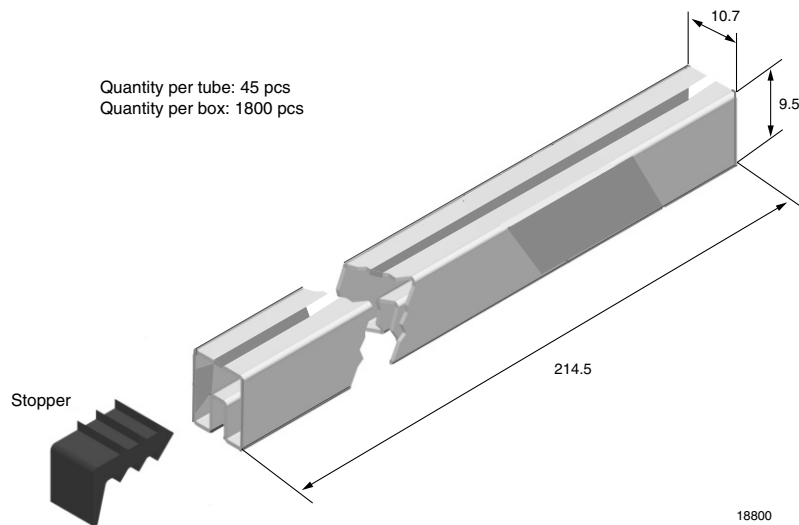


Fig. 9 - Drawing Proportions not scaled



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