



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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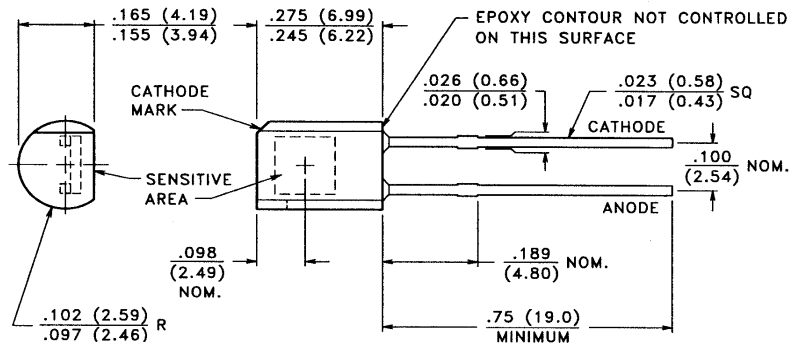
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PACKAGE DIMENSIONS inch (mm)



CASE 61 TO-92 TYPE (FLAT LENS)
CHIP ACTIVE AREA: .011 in² (7.41 mm²)

PRODUCT DESCRIPTION

Large area planar silicon photodiode in a waterclear, cast epoxy sidelooper, similar in outline to the TO-92 package. These diodes exhibit low dark current under reverse bias and fast speed of response.

ABSOLUTE MAXIMUM RATINGS

Storage Temperature: -40°C to 100°C
Operating Temperature: -40°C to 100°C

RoHS Compliant



ELECTRO-OPTICAL CHARACTERISTICS @ 25°C

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	VTD206KH			UNITS
			Min.	Typ.	Max.	
I_{SC}	Short Circuit Current	1000 Lux, 2856 K	50	80		μA
TC I_{SC}	I_{SC} Temperature Coefficient	2856 K		.20		%/°C
V_{OC}	Open Circuit Voltage	940 nm, H = 0.5 mW/cm ²	310	365		mV
TC V_{OC}	V_{OC} Temperature Coefficient	2856 K		-2.6		mV/°C
I_D	Dark Current	H = 0, V_R = 10 V		2	30	nA
C_J	Junction Capacitance	H = 0, V_R = 0 V, 1 MHz		72		pF
t_R/t_F	Rise/Fall Time @ R_L = 50 Ω	V_R = 5 V, 850 nm		20		nsec
S_R	Sensitivity	@ Peak		0.6		A/W
λ_{range}	Spectral Application Range		400		1100	nm
λ_p	Spectral Response - Peak			925		nm
V_{BR}	Breakdown Voltage		20	50		V
$\theta_{1/2}$	Angular Resp.-50% Resp. Pt.			± 60		Degrees