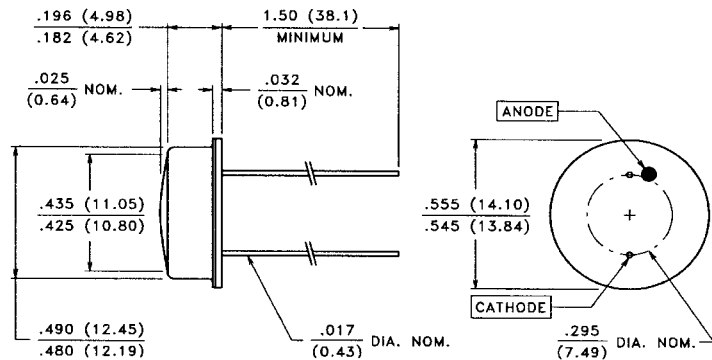


PACKAGE DIMENSIONS inch (mm)



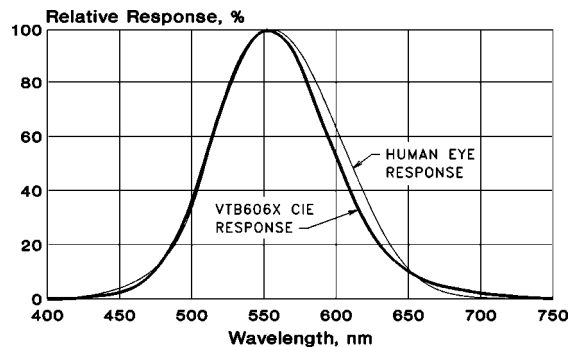
PRODUCT DESCRIPTION

Large area planar silicon photodiode in a "flat" window, dual lead TO-8 package. This photodiode is a spectrally modified VTB6061BH with a spectral response closely resembling that of the human eye, making it an ideal choice for photometric calibrations. Its high shunt impedance permits accurate measurement of low illuminations.

ABSOLUTE MAXIMUM RATINGS

Storage Temperature: -55°C to 50°C
 Operating Temperature: -55°C to 50°C

CASE 15 TO-8 HERMETIC
 CHIP ACTIVE AREA: .058 in² (37.7 mm²)
 VTB6061CIEH vs HUMAN EYE RESPONSE



ELECTRO-OPTICAL CHARACTERISTICS @ 25°C (See also VTB curves, pages 21-22)

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	VTB6061CIEH			UNITS
			Min.	Typ.	Max.	
S _p	Photometric Sensitivity	H = 1.0 fc	75	120		nA/fc
		H = 1.0 lux	7	11		nA/lux
R _{SH}	Shunt Resistance	H = 0, V = -10 mV		.10		GΩ
TC R _{SH}	R _{SH} Temperature Coefficient	H = 0, V = -10 mV		-8.0		%/°C
I _D	Dark Current	H = 0, V _R = 2.0 V			2.0	nA
C _J	Junction Capacitance	H = 0, V = 0		8.0	11	nF
λ _p	Spectral Response - Peak			555		nm
θ _{1/2}	Angular Resp. - 50% Resp. Pt.			±55		Degrees
NEP	Noise Equivalent Power		1.3 x 10 ⁻¹³ (Typ.)			W/√Hz