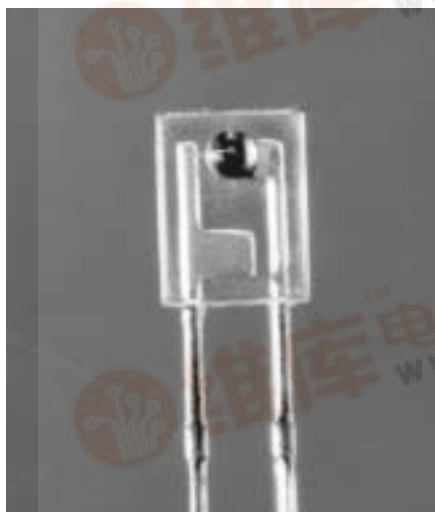


GaAlAs Infrared Emitting Diodes

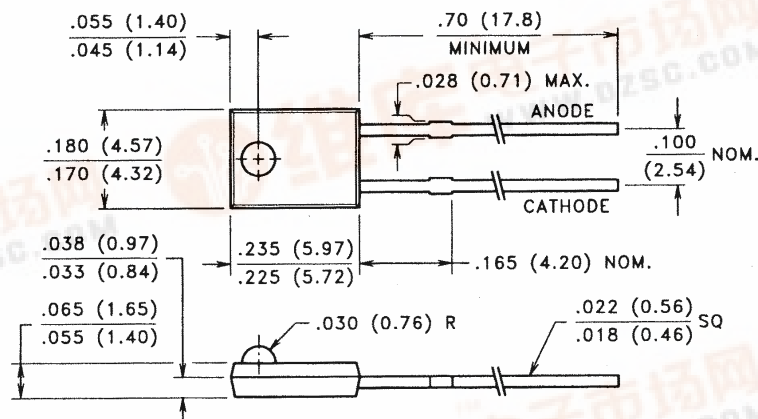
Molded Lateral Package — 880 nm

捷多邦，专业PCB打样工厂，24小时加急出货

VTE7172, 7173



PACKAGE DIMENSIONS inch (mm)



DESCRIPTION

CASE 7 LATERAL
CHIP SIZE: .011" x .011"

These side-looking packages are designed for use in PC board mounted interrupt detectors. The package is transfer molded plastic and contains a high efficiency, 880 nm, GaAlAs IRED die.

ABSOLUTE MAXIMUM RATINGS @ 25°C (unless otherwise noted) ■

Maximum Temperatures			Maximum Reverse Voltage:			5.0V
Storage and Operating:	-40°C to 85°C		Maximum Reverse Current @ $V_R = 5V$:			10 μA
Continuous Power Dissipation:			Peak Wavelength (Typical):			880 nm
Derate above 30°C:	1.82 mW/°C		Junction Capacitance @ 0V, 1 MHz (Typ.):			14 pF
Maximum Continuous Current:			Response Time @ $I_F = 20$ mA			
Derate above 30°C:	0.91 mA/°C		Rise: 1.0 μs Fall: 1.0 μs			
Peak Forward Current, 10 μs , 100 pps:			Lead Soldering Temperature:			260°C
Temp. Coefficient of Power Output (Typ.):	-8%/°C		(1.6 mm from case, 5 seconds max.)			

ELECTRO-OPTICAL CHARACTERISTICS @ 25°C (See also GaAlAs curves, pages 108-110)

Part Number ■	Output							Forward Drop		Half Power Beam Angle
	Irradiance				Radiant Intensity	Total Power	Test Current	V _F		
	E _e		Condition		I _e	P _O	I _{FT}	@ I _{FT}		θ _{1/2}
	mW/cm ²		distance	Diameter	mW/sr	mW	mA (Pulsed)	Volts		Typ.
	Min.	Typ.	mm	mm	Min.	Typ.		Typ.	Max.	
VTE7172	0.4	0.6	16.7	4.6	1.1	2.5	20	1.3	1.8	±25°
VTE7173	0.6	0.8	16.7	4.6	1.7	5.0	20	1.3	1.8	±25°

Refer to General Product Notes, page 2.