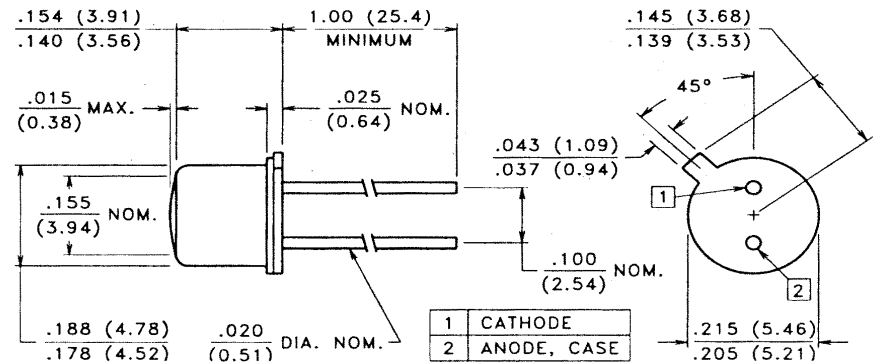




**PACKAGE DIMENSIONS inch (mm)**



**CASE 24 TO-46 HERMETIC (Flat Window)**  
**CHIP SIZE: .018" x .018"**

**DESCRIPTION**

This wide beam angle TO-46 hermetic emitter contains a large area, double wirebonded, GaAlAs, 880 nm, high efficiency IRED chip suitable for higher current pulse applications.

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

Maximum Temperatures		Maximum Reverse Voltage:	5.0V
Storage and Operating:	-55°C to 125°C	Maximum Reverse Current @ $V_R = 5V$ :	10 $\mu A$
Continuous Power Dissipation:	200 mW	Peak Wavelength (Typical):	880 nm
Derate above 30°C:	2.11 mW/°C	Junction Capacitance @ 0V, 1 MHz (Typ.):	35 pF
Maximum Continuous Current:	100 mA	Response Time @ $I_F = 20$ mA	
Derate above 30°C:	1.05 mA/°C	Rise: 1.0 $\mu s$ Fall: 1.0 $\mu s$	
Peak Forward Current, 10 $\mu s$ , 100 pps:	3A	Lead Soldering Temperature:	260°C
Temp. Coefficient of Power Output (Typ.):	-8%/°C	(1.6 mm from case, 5 seconds max.)	

**RoHS Compliant**



**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	$I_e$	$P_O$	$I_{FT}$	@ $I_{FT}$		$\theta_{1/2}$	
	mW/cm <sup>2</sup>						Volts			
	Min.	Typ.	mm	mm	Min.	Typ.	Typ.	Max.	Typ.	
VTE1063H	3.8	5.0	36	6.4	49	80	1.0	2.8		3.5

■ Refer to General Product Notes, page 2.