

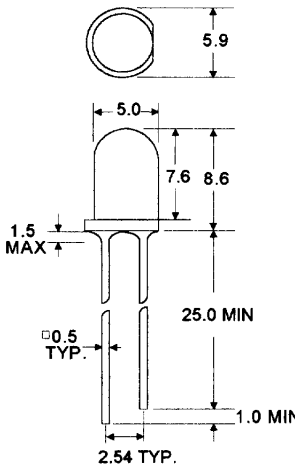
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LIGITEK

INFRARED EMITTING DIODES		LVIR333X		SERIES			
Package Dimension				Features			
				• High radiant intensity • Suitable for pulsed applications • Low average degradation			
Note: All dimension are in millimeter tolerance is $\pm 0.25\text{mm}$ unless otherwise noted.				<i>Description</i> The LVIR333X series are high power solution grown epitaxial Gallium Arsenide infrared emitting diodes encapsulated in blue transparent or water clear plastic T1 3/4 package individually			
• Electrical Optical Characteristics (at 25°C)							
PARAMETER	SYMBOL	PART NO.	MIN	TYP	MAX	UNIT	TEST CONDITION
Aperture Radiant Incidence	Ea	LVIR3333	5.0	8.0		mW/cm ²	IF=20mA
		LVIR3331	5.0	8.0			
Peak Emission Wavelength	λ_{peak}			940		nm	IF=20mA
Spectral Line Half Width	$\Delta\lambda$			50		nm	IF=20mA
Forward Voltage	V _F			1.2	1.6	V	IF=20mA
Reverse Current	I _R			0	100	μA	VR=5V
Viewing Angle	2θ 1/2			20		deg	
• Absolute Maximum Rating (Ta=25°C)							
PARAMETER			MAXIMUM			UNIT	
Power Dissipation			100			mW	
Peak Forward Current (300PPS,1US Pulse)			3			A	
Continuous Forward Current			50			mA	
Reverse Voltage			5			V	
Operating Temperature RANGE			-55°C TO +100°C				
Storage Temperature RANGE			-55°C TO +100°C				
Lead Soldering Temperature 1.6mm(0.036") From			260°C For 5 Seconds				
文件編號：QW0905-LVIR333X				版本：B		生效日期：Dec . 25 . 1996	