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Jameco Part Number 106526

LIGITEK

INFRARED EMITTING DIODES		LVIR333X		SERIES			
<p align="center"><i>Package Dimension</i></p>				<p align="center"><i>Features</i></p> <ul style="list-style-type: none"> • High radiant intensity • Suitable for pulsed applications • Low average degradation 			
<p><i>Note: All dimension are in millimeter tolerance is ± 0.25mm unless otherwise noted.</i></p>				<p align="center"><i>Description</i></p> <p>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</p>			
<p>• Electrical Optical Characteristics (at 25°C)</p>							
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	μ A	VR=5V
Viewing Angle	2 θ 1/2			20		deg	
<p>• Absolute Maximum Rating (Ta=25°C)</p>							
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				
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