

Jameco Part Number 112150

LIGITEK

INFRARED EMITTING DIODES		LIR204X		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>Note: All dimension are in millimeter tolerance is $\pm 0.25\text{mm}$ unless otherwise noted.</p>				<p align="center"><i>Description</i></p> <p>The LIR204X series are high power solution grown epitaxial Gallium Arsenide infrared emitting diodes encapsulated in blue transparent or water clear plastic T1 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	LIR2043	3.0	5.0		mW/cm ²	IF=20mA
		LIR2041	3.0	5.0			
Peak Emission Wavelength	λ_{peak}			940		nm	IF=20mA
Spectral Line Half Width	$\Delta\lambda$			50		nm	IF=20mA
Forward Voltage	VF			1.2	1.6	V	IF=20mA
Reverse Current	IR			0	100	μA	VR=5V
Viewing Angle	2 θ 1/2			30		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				
文件編號: QW0905-LIR204X		版本: B		生效日期: Dec . 25 . 1996			