



YETDA INDUSTRY LTD.

5mm Infrared LED LAMP I500B4D

5mm With Infrared Chips.

Encapsulated with Water clear Package.

Long Leads.

Absolute Maximum Ratings :

Parameter	Maximum Rating	Unit
Peak Forward Current	120	mA
Continuous Forward Current	30	mA
Operating Temperature Range	-20°C to +75°C	
Storage Temperature Range	-40°C to +100°C	
Lead Soldering Temperature	260°C for 3 seconds 1.6mm(0.063 inch) from body	

Electro-Optical Characteristics (Ta = 25°C)

Parameter Radiant	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage	If = 20mA	Vf		1.3	1.5	V
	If=100mA, tp=100us, tp/T=0.01			1.6	1.85	V
Reverse Current	VR=5V	Ir			10	uA
Radiant Intensity	If = 20mA	Ee	9	20		mW/sr
	If=100mA, tp=100us, tp/T=0.01			65		
Peak Wavelength	If = 20mA	λ_p		880		nm
Continuous Forward Current		IF(Rec)		40		mA
Power dissipation		Pd		300		mW
Viewing Angle	If = 20mA	2 θ 1/2		15		deg

Package

Item: 500

