

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
PDA54-12YWA	YELLOW (GaAsP/GaP)	WHITE DIFFUSED	800	3000	Common Anode ,Rt. Hand Decimal.

Note:

1. Luminous Intensity/ Luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Yellow	590		nm	IF=20mA
λ_D [1]	Dominant Wavelength	Yellow	588		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Yellow	35		nm	IF=20mA
C	Capacitance Per Segment or DP	Yellow	20		pF	VF=0V,f=1MHz
VF [2]	Forward Voltage Per Segment or DP	Yellow	2.1	2.5	V	IF=20mA
IR	Reverse Current Per Segment or DP	Yellow		10	uA	VR = 5V

Notes:

1. Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

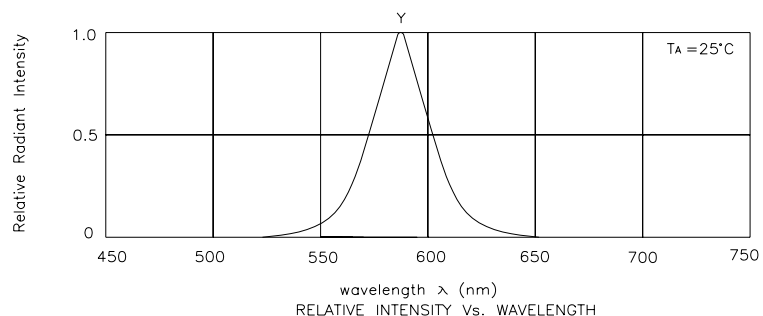
Absolute Maximum Ratings at TA=25°C

Parameter	Yellow	Units
Power dissipation Per Segment or DP	105	mW
DC Forward Current Per Segment or DP	30	mA
Peak Forward Current [1] Per Segment or DP	140	mA
Reverse Voltage Per Segment or DP	5	V
Operating / Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 3 Seconds	

Notes:

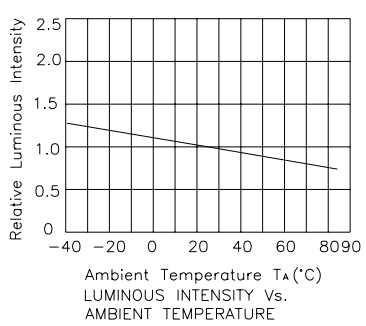
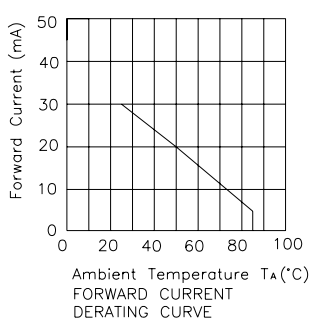
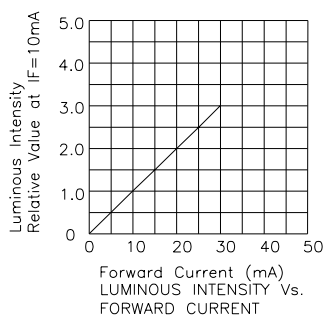
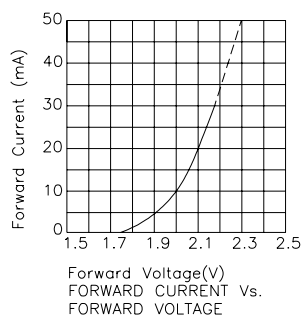
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.



Yellow

PDA54-12YWA



PACKING & LABEL SPECIFICATIONS

PDA54-12YWA

