



## Light Emitting Diode Lamp

Part No: 3-22B-CD43/12V

### ★Absolute Maximum Ratings

(Ta=25°C)

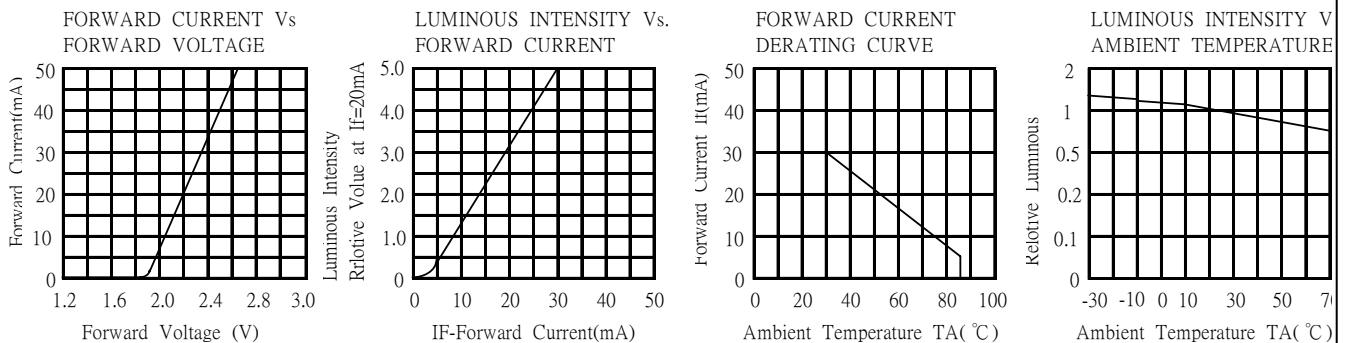
Parameter	Symbol	MAX. Raging	Unit
Power Dissipation	Pd	300	mW
Continuous Forward Current	IF	30	mA
Pak forward current (10 μs Pulse)	IFM	100	mA
Reverse Voltage	VR	5.0	V
Operating Temperature	Topr	-40~+85	°C
Storage Temperature	Tstg	-40~+85	°C
Lead Soldering Temperature (1.6mm From Case Bottom 260°C For 5 SEC)			

### ★Electric-Optical Characteristics

Parameter	Symbol	Test Condition	MIN	TYP	MAX	Unit
Forward Voltage	VF	IF=10mA		12		V
Reverse Voltage	VR	IR=10uA	5			V
Luminous Intensity	IV	IF=10mA	15	25		mcd
Peak Emission Wavelength	λ P	IF=10mA		568		nm
Spectrum Width Of Half Value	Δ λ	IF=10mA		30		nm

### ★Characteritics Diagrams

Green(GaP)



**Light Emitting Diode Lamp****Part No: 3-22B-CD43/12V****★Reliability Test**

<b>No</b>	<b>Item</b>	<b>Test Condition</b>	<b>Test Hours/Cycles</b>	<b>Samples Tested</b>	<b>Acc./Rej</b>
1	Room Temperature DC Oper-ating Life	Ta=25°C, IF=20mA	1000 Hrs	76	0/1
2	Thermal Shock	-10°C (5min)→ (10sec)→+100°C (5min)	100 Cycles	76	0/1
3	Temperature Cycle	-40°C (30min) →(5min)→+85 °C (30min)	100 Cycles	76	0/1
4	High Temp./ High Humi. Test	85°C/85%RH	1000 Hrs	76	0/1
5	High Temperature Storage	Ta=100°C	1000 Hrs	76	0/1
6	Low Temperature Storage	Ta= - 40°C	1000 Hrs	76	0/1
7	Soldering Heat	260°C±5°C	5 Seconds	76	0/1