

DESCRIPTION:

Dice Material : GaAlAs/GoAs,SH Super Brightness Red

Light Color : Red Color

Lens Color : Water Transparent

Dimension No : BVU-501

ABSOLUTE MAXIMUM RATINGS AT $T_a=25^{\circ}\text{C}$

PARAMETER	MAX	UNIT
Power Dissipation	100	mW
DC Forward Current	40	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	200	mA
Reverse Voltage	5	v
Derating Linear From 25°C	0.5	mA/°C
Operating Temperature Range	-30°C to +85°C	
Storage Temperature Range	-40°C to +100°C	
Lead Solder Temperature 1.6mm Below Package 260°C for 5 seconds		

ELECTRICAL/OPTICAL CHARACTERISTICS AT $T_a=25^{\circ}\text{C}$

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V_F	Forward Voltage	$I_F = 20\text{mA}$		1.8	2.5	V
I_R	Reverse Current	$V_R = 5\text{ V}$			100	μA
λ_p	Peak Emission Wavelength	$I_F = 20\text{mA}$		660		nm
λ_d	Dominant Wavelength	$I_F = 20\text{mA}$		643		nm
$2\theta_{1/2}$	Viewing Angle	$I_F = 20\text{mA}$		20		Deg
I_v	Luminous intensity	$I_F = 20\text{mA}$	360	600		mcd

Formed Leads

顯明公司發行章
88.5.20
文件管制中心

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REV: A

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