



HIGH POWER LED LAMP

L-9452LPG41C

FEATURES

- * SUITABLE HIGH PULSE CURRENT OPERATION
- * EXTRA HIGH RADIANT POWER AND RADIANT INTENSITY
- * HIGH RELIABILITY
- * LOW FORWARD VOLTAGE

CHIP MATERIALS

- * Dice Material : GaInN/GaN
- * Light Color : ULTRA PURE GREEN
- * Lens Color : WATER CLEAR

ABSOLUTE MAXIMUM RATING:(Ta=25°C)

SYMBOL	DESCRIPTION	ULTRA PURE GREEN	UNIT
PAD	Power Dissipation Per Chip	120	mW
VR	Reverse Voltage Per Chip	5	V
IF	Average Forward Current Per Chip	30	mA
-	Derating Linear From 25°C Per Chip	0.4	mA/°C
Topr	Operating Temperature Range	-25°C to 85°C	
Tstg	Storage Temperature Range	-40°C to 85°C	

Lead Soldering Temperature { 1.6mm(0.063 inch) From Body } 260°C±5°C For 5 Seconds

ELECTRO-OPTICAL CHARACTERISTICS:(Ta=25°C)

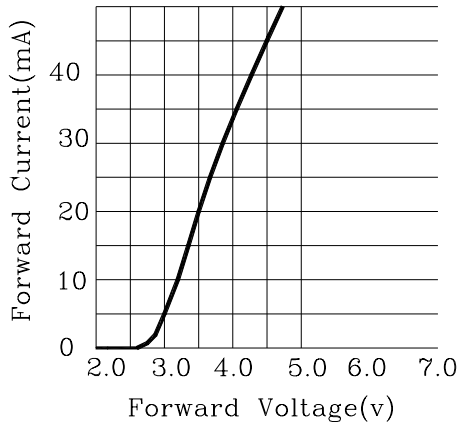
SYMBOL	DESCRIPTION	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
VF	Forward Voltage	IF = 20mA		3.5	4.0	V
IR	Reverse Current	VR = 5V			100	µA
λD	Dominant Wavelength	IF = 20mA		525		nm
Δλ	Spectral Line Half-Width	IF = 20mA		22		nm
2θ1/2	Half Intensity Angle	IF = 20mA		70		deg
Φv	Total flux	IF = 30mA		6200		mlm



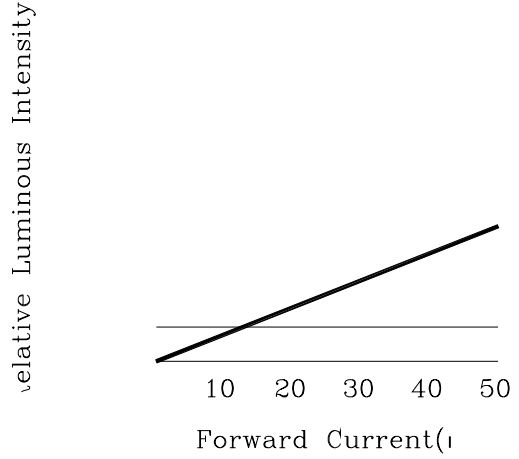
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Forward Current Vs Forward Voltage



Forward Current VS Relative Intensity



Forward Current Derating Curve

