LNJ816C8DRA

Surface Mounting Chip LED

Microlens Type

■ Lighting Color

• Orange

■ Absolute Maximum Ratings $T_a = 25°C$

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	60	mW
Forward current	I_F	20	mA
Pulse forward current *	I_{FP}	100	mA
Reverse voltage	V_R	3	V
Operating ambient temperature	T_{opr}	–30 to +85	°C
Storage temperature	T_{stg}	–40 to +100	°C

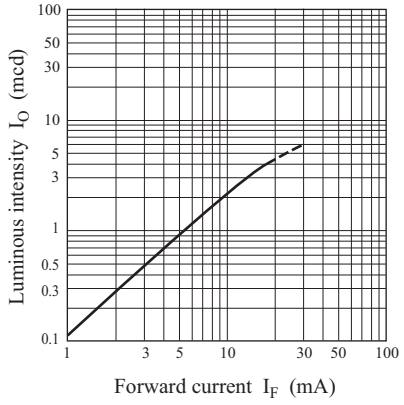
Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.

■ Electro-Optical Characteristics $T_a = 25°C \pm 3°C$

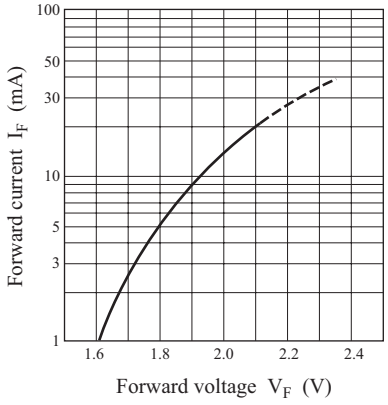
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity *	I_O	I_F = 10 mA	1.1	2.1		mcd
Reverse current	I_R	V_R = 3 V			10	μA
Forward voltage	V_F	I_F = 10 mA		1.93	2.60	V
Peak emission wavelength	λ_P	I_F = 10 mA		630		nm
Spectral half band width	$\Delta\lambda$	I_F = 10 mA		40		nm

Note) *: Measurement tolerance: ±20%

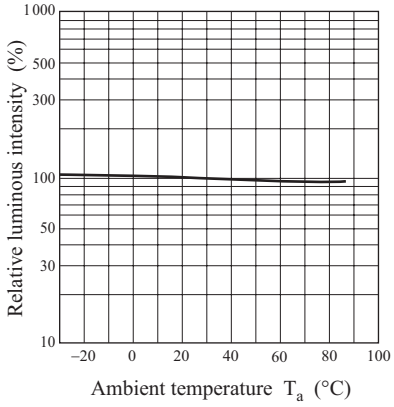
I_O — I_F



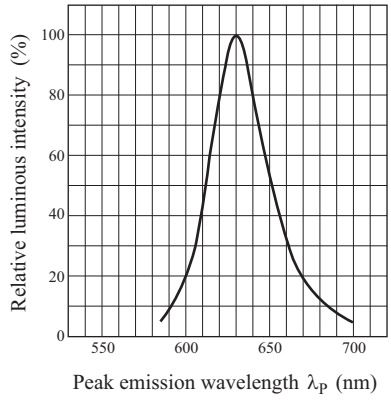
I_F — V_F



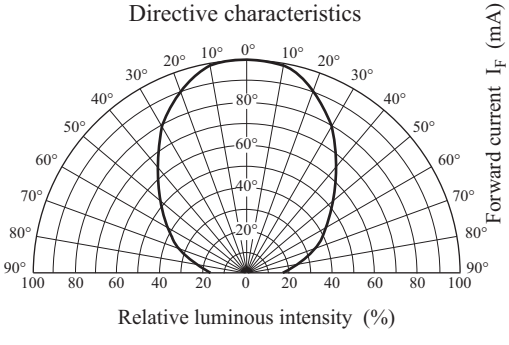
Relative luminous intensity — T_a



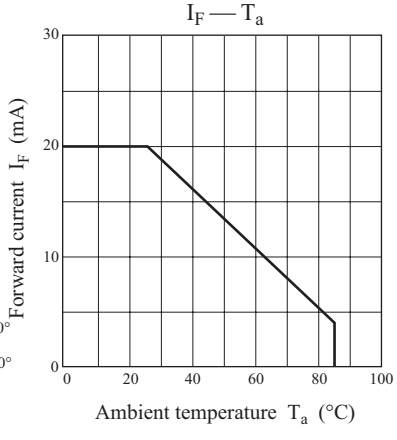
Relative luminous intensity — λ_P



Directive characteristics

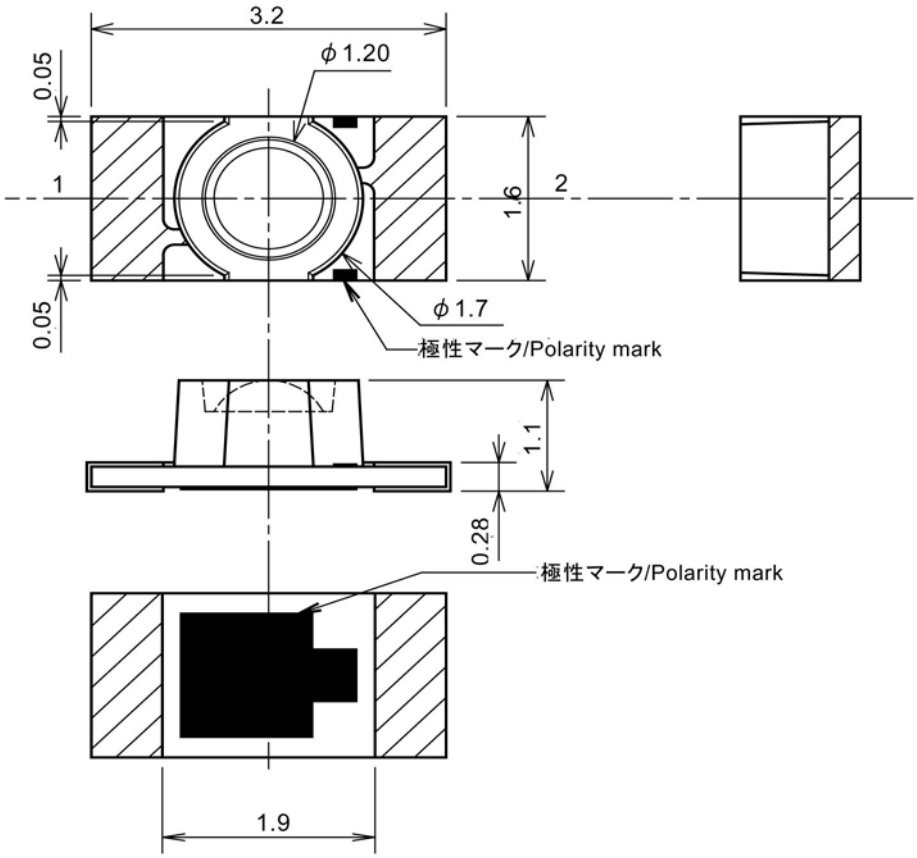


I_F — T_a



■ Package (Unit: mm)

KLTLTN2K1600



- Pin name
  1: Anode
  2: Cathode

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20080805

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