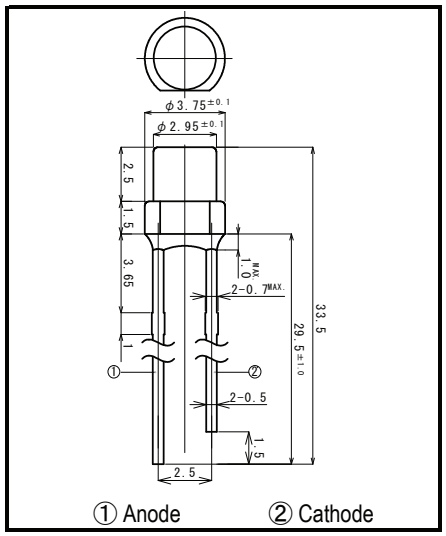
R-660-380C3

Visible Light Emitting Diode



Dimensions (Unit:mm)

FEATURES
- High-output Power
- Compact
- Wide Viewing Angle
- High Reliability

APPLICATIONS
- Optical Switches
- Optical Sensors

1. ABSOLUTE MAXIMUM RATINGS (Ta=25℃)

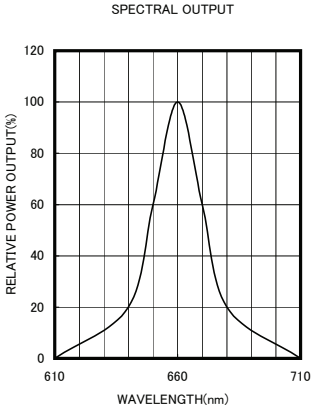
I T E M	SYMBOL	RATINGS	UNIT
Forward Current (DC)	IF	50	mA
Forward Current (Pulse)*1	IFP	0.5	A
Reverse Voltage	VR	5	V
Power Dissipation	PD	110	mW
Operating Temp.	Topr	-20 TO 80	℃
Storage Temp.	Tstg	-30 TO 100	℃
Junction Temp.	Tj	100	℃
Lead Soldering Temp.*2	Tls	260	℃

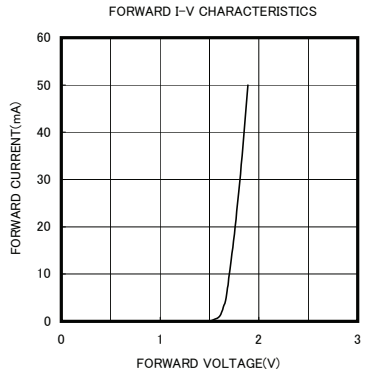
*1:Tw=10 uS,T=10 mS

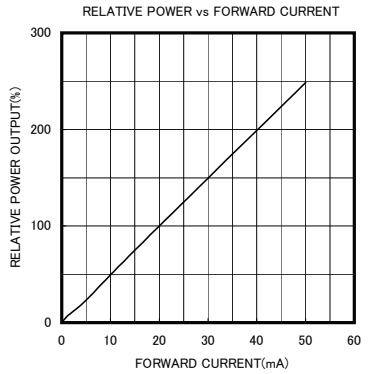
*2:Time 5 Sec max,Position:Up to 3 mm from the body

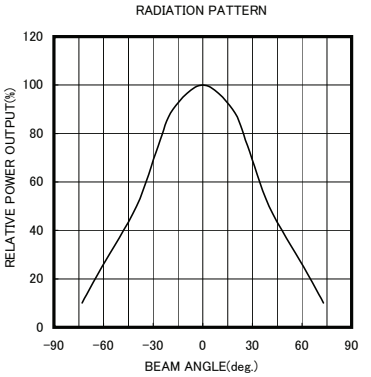
2.ELECTRICAL & OPTICAL CHARACTERISTICS (Ta=25℃)

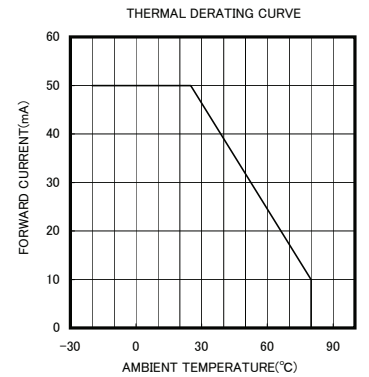
I T E M	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Power Output	PO	IF=20 mA	2.5	4.0		mW
Forward Voltage	VF	IF=20 mA		1.8	2.2	V
Reverse Current	IR	VR=5 V			100	μA
Peak Wavelength	λp	IF=20 mA		660		nm
Spectral Line Half Width	Δλ	IF=20 mA		25		nm
Half Intensity Beam Angle	θ	IF=20 mA		±40		deg.
Rise Time	Tr	IFP=20 mA		30		nS
Fall Time	Tf	IFP=20 mA		30		nS
Junction Capacitance	Cj	1 MHz ,V=0 V		20		pF











Power Light Systems, Kinzerallee 20, 12555 Berlin, Germany
TEL. +49(30)6501-7868 / FAX +49(30)6501-7869, email: sales@led-eshop.de