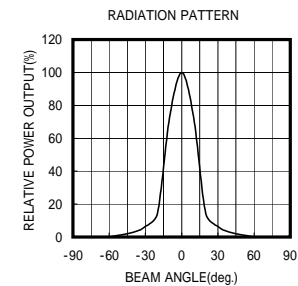
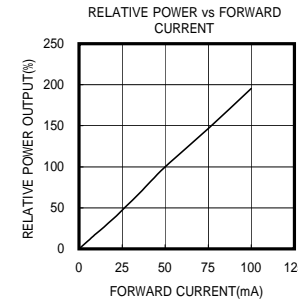
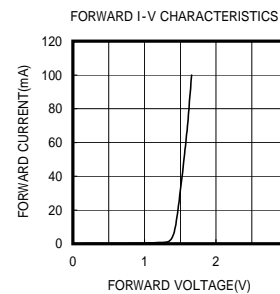


Anode Cathode
Dimensions (Unit:mm)

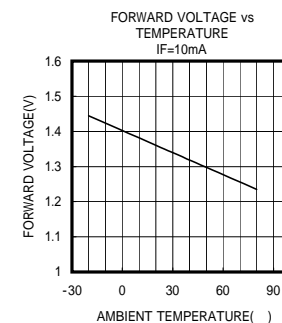
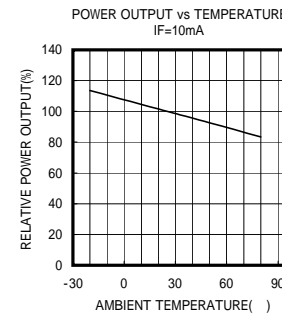
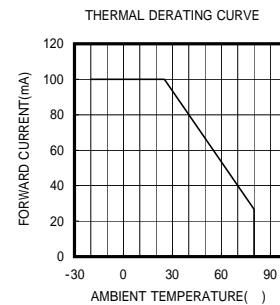
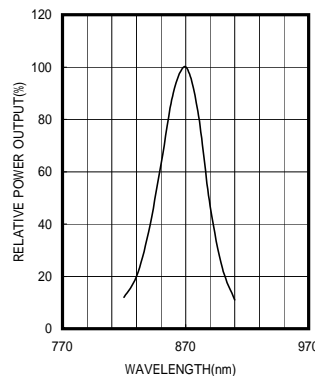
- FEATURES**
- High-output Power
 - Compact
 - High Reliability
- APPLICATIONS**
- Optical Switches
 - Optical Sensors

2.ELECTRICAL & OPTICAL CHARACTERISTICS (Ta=25)

ITEM	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Power Output	PO	IF=50mA	14.0	17.0	20.0	mW
Forward Voltage	VF	IF=50mA		1.55	2.0	V
Reverse Current	IR	VR=5V			10	μA
Peak Wavelength	λ	IF=50mA		870		nm
Spectral Line Half Width		IF=50mA		45		nm
Half Intensity Beam Angle		IF=50mA		±25		deg.
Junction Capacitance	Cj	1MHz, V=0V		50		pF
Temp. Coefficient of PO	P/T	IF=10mA		-0.3		%/
Temp. Coefficient of VF	V/T	IF=10mA		-2.1		mV/



SPECTRAL OUTPUT



1. ABSOLUTE MAXIMUM RATINGS (Ta=25)

ITEM	SYMBOL	RATINGS	UNIT
Forward Current (DC)	IF	60	mA
Forward Current (Pulse)*1	IFP	0.5	A
Reverse Voltage	VR	5	V
Power Dissipation	PD	100	mW
Operating Temp.	Topr	-20 TO 85	
Storage Temp.	Tstg	-30 TO 100	
Junction Temp.	Tj	100	
Lead Soldering Temp.*2	Tls	260	

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

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