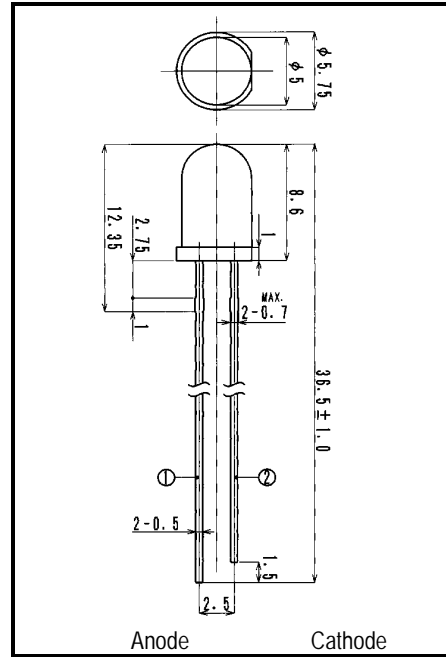


# VSF635N1

# Visible Light Emitting Diode

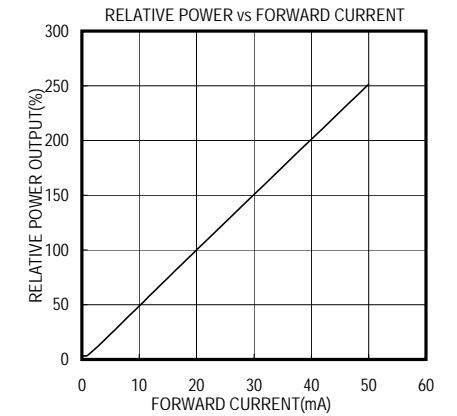
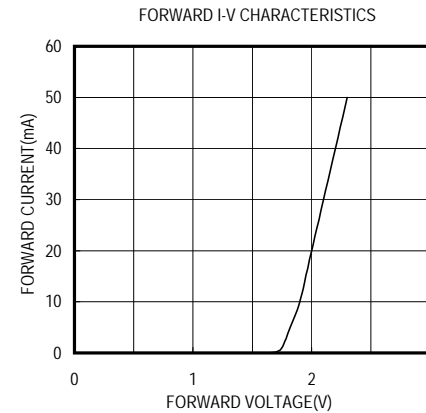


Anode Cathode  
Dimensions (Unit:mm)

- FEATURES**
- High-output Power
  - High Reliability
  - Narrow Beam Angle
- APPLICATIONS**
- Optical Sensors
  - Indicator

## 2. ELECTRICAL & OPTICAL CHARACTERISTICS (Ta=25 °C)

ITEM	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Power Output	PO	IF=20mA		8.0		mW
Forward Voltage	VF	IF=20mA		2.0	2.8	V
Reverse Current	IR	VR=5V			100	μA
Peak Wavelength	λp	IF=20mA		640		nm
Spectral Line Half Width		IF=20mA		20		nm
Half Intensity Beam Angle		IF=20mA		±12		deg.

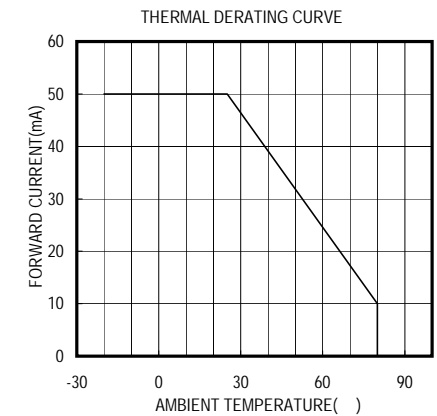
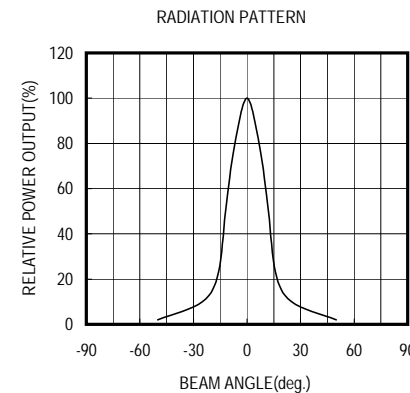
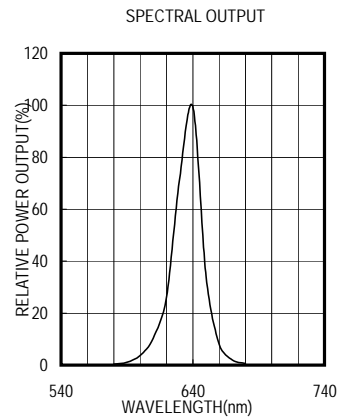


## 1. ABSOLUTE MAXIMUM RATINGS (Ta=25 °C)

ITEM	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	130	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=10uS, T=10mS

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



OPTRANS

To purchase this part contact  
Marktech Optoelectronics at  
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