

Plastic Mold Visible LEDs

KED641M32

Characteristics

- Transparent epoxy mold
- Direct modulation

Applications

- Optical switches
- Optical instruments
- Automatic control apparatus

Emitting Color

- Red

Chip Material

- GaAlAs

Package

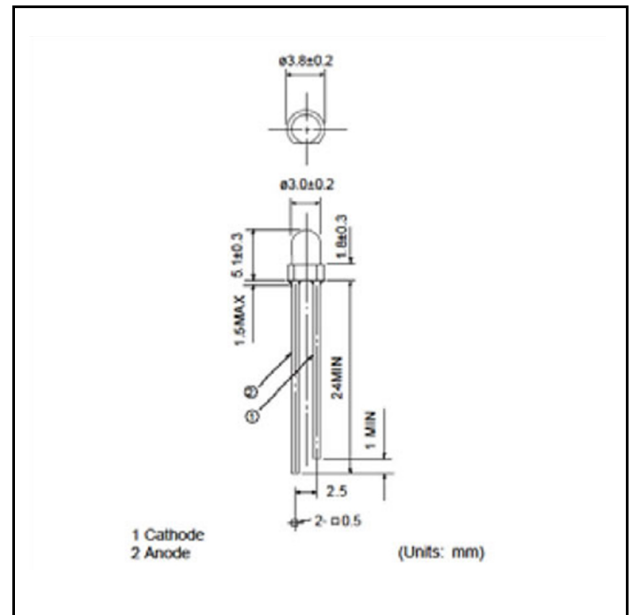
- MOLD

Diameter

- 3mm

Resin Type

- clear

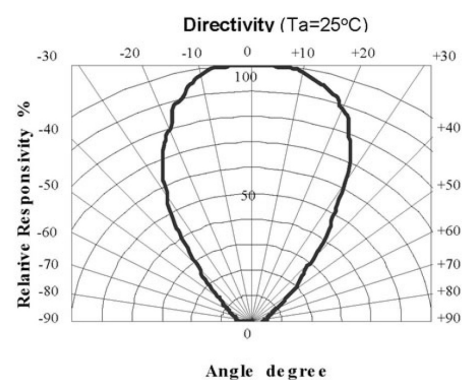
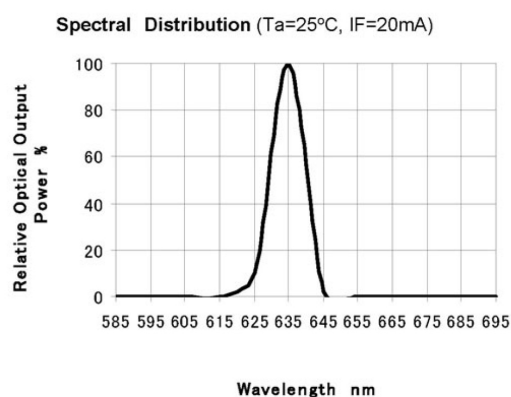
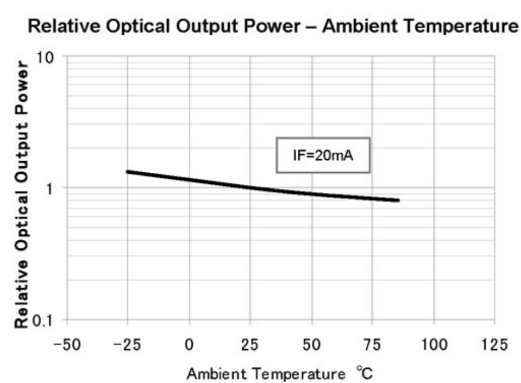
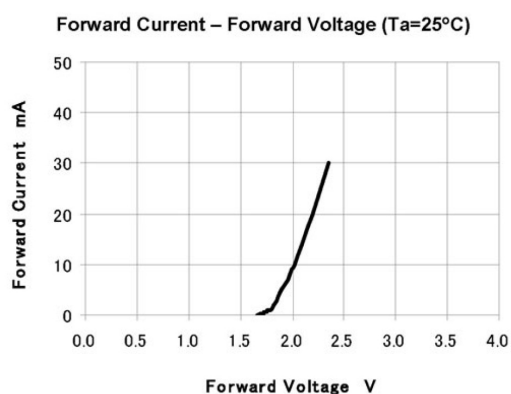
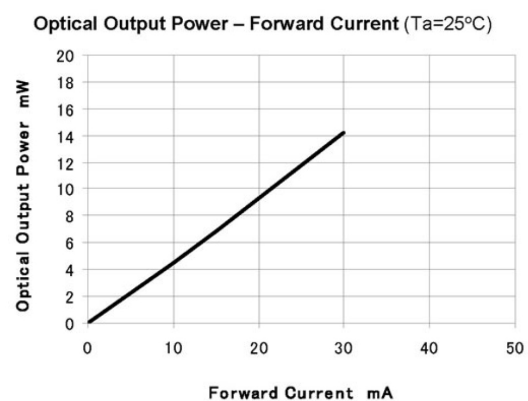
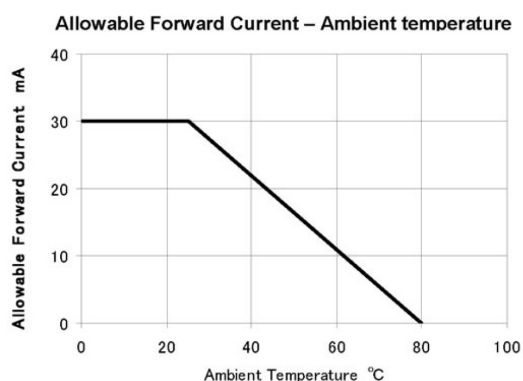


Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Conditions
Reverse voltage	V_R	5	V	-
Forward current	I_F	30	mA	$T_a=25$
Peak forward current	I_{FP}	0.3	A	Pulse width=100μs Duty ratio=1%
Power dissipation	P_D	120	mW	-
Operating temperature	T_{opr}	-20 to +80		Avoid dew condensation
Storage temperature	T_{stg}	-20 to +100		Avoid dew condensation

Electrical and Optical characteristics ($T_a=25$ unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Reverse Current	I_R	-	-	10	μA	$V_R=5V$
Forward voltage	V_F	-	2.2	2.5	V	$I_F=20mA$
Luminous Intensity	I_v	-	800	-	mcd	$I_F=20mA$
Optical output power	P_O	-	9.4	-	mW	$I_F=20mA$
Peak wavelength	λ_p	-	635	-	nm	$I_F=20mA$
Spectral width		-	15	-	nm	$I_F=20mA$
Half angle	2	-	66	-	deg.	$I_F=20mA$



Specifications are subject to change without notice.

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