

Plastic Mold Visible LEDs

KED671M34

Characteristics

- Transparent epoxy mold
- Direct modulation

Applications

- Optical switches
- Optical instruments
- Automatic control apparatus

Emitting Color

- Red

Chip Material

- GaAIAs

Package

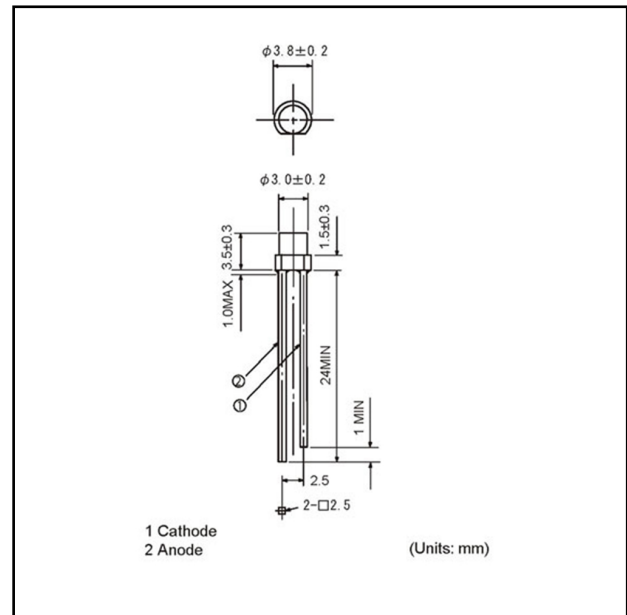
- MOLD

Diameter

- 3mm

Resin Type

- clear



Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Conditions
Reverse voltage	V_R	5	V	-
Forward current	I_F	50	mA	$T_a=25$
Peak forward current	I_{FP}	0.5	A	Pulse width=100 μ s 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	μ A	$V_R=5V$
Forward voltage	V_F	-	1.8	2.3	V	$I_F=20mA$
Luminous Intensity	I_v	-	50	-	mcd	$I_F=20mA$
Optical output power	P_O	-	3.3	-	mW	$I_F=20mA$
Peak wavelength	λ_p	-	670	-	nm	$I_F=20mA$
Spectral width		-	25	-	nm	$I_F=20mA$
Half angle	2	-	90	-	deg.	$I_F=20mA$

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