

KLP-32R-X

DIMENSIONS

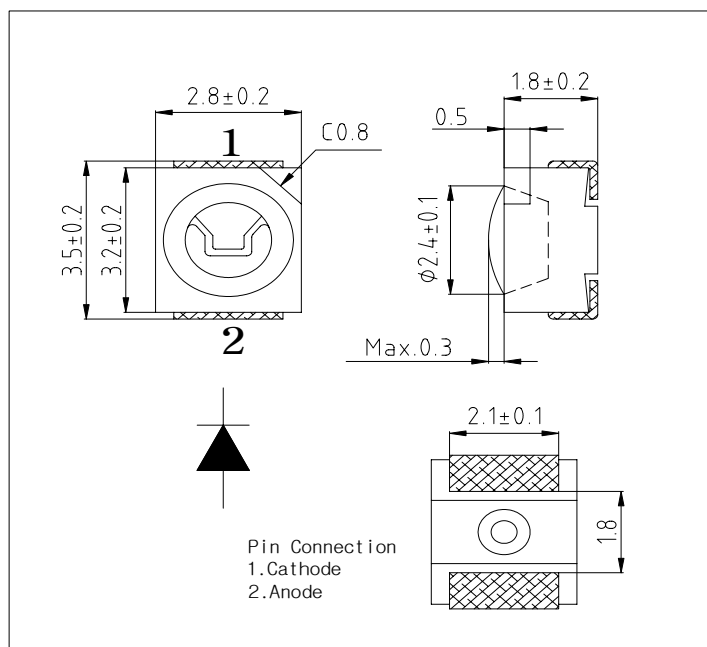
KLP-32R-x has a high bright InGaAlP red LED and has the optimized optical characteristics.

Features

- Transparent epoxy Encapsulant
- High Optical Output

Applications

- Display
- Indicator
- Signage



Maximum Ratings

[Ta=25°C]

Parameter	Symbol	Ratings	Unit
Reverse Voltage	V_R	5	V
Forward current	I_F	20	mA
Pulse forward current ^{*1}	I_{FP}	0.1	A
Power dissipation	P_D	90	mW
Operating temperature	$T_{opr.}$	-30 ~ +85	°C
Storage temperature	$T_{stg.}$	-40 ~ +105	°C
Soldering Temperature ^{*2}	$T_{sol.}$	260	°C

*1. I_{FP} Measured under duty $\leq 1/10$ @ 1KHz

*2. Soldering time ≤ 5 Sec

Electro-Optical Characteristics

[Ta=25°C]

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 20$ mA	-	1.8	2.2	V
Optical Output Power	P_o	$I_F = 20$ mA	6.00	6.80	-	mW
	I_v		280	350	-	mcd
Peak emission wavelength	λ_p	$I_F = 20$ mA	-	630	-	nm
Doninant Wave Length	λ_d	$I_F = 20$ mA	620	-	635	nm
Spectral half bandwidth	$\Delta\lambda$	$I_F = 20$ mA	-	20	-	nm
Half angle	$\Delta\theta$	$I_F = 20$ mA	-	110	-	deg.

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