

Red LEDs

KED354RHD

Characteristics

- High radiancy with a double hetero junction
- Highly reliable hermetic seal
- Flat glass window
- Broad directivity Direct modulation

Applications

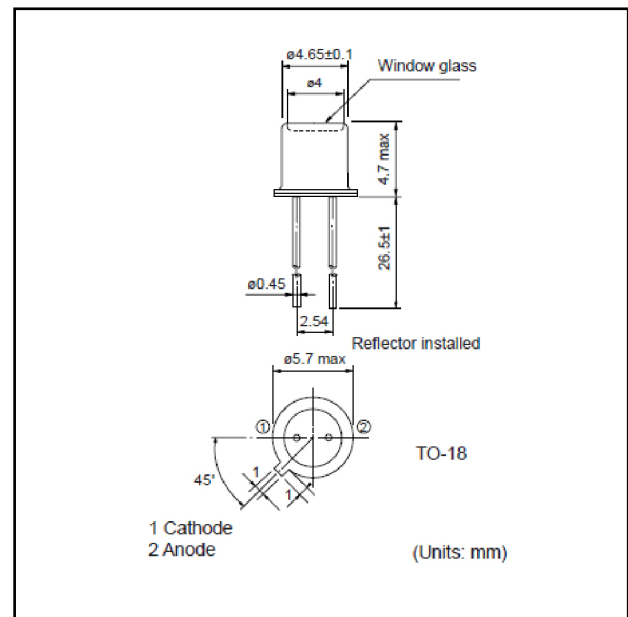
- Optical switches
- Optical encoders
- Optical instruments
- Automatic control apparatus

Chip Material

- GaAlAs

Package

- TO-CAN

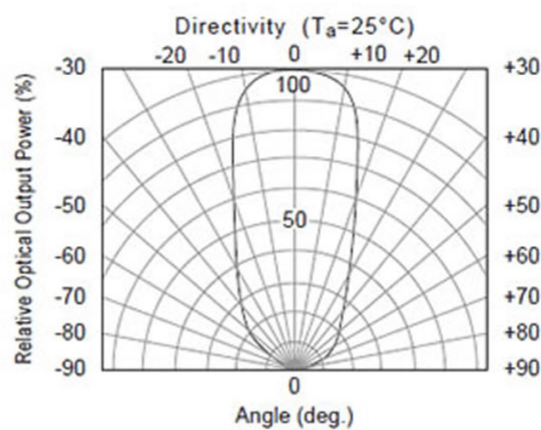
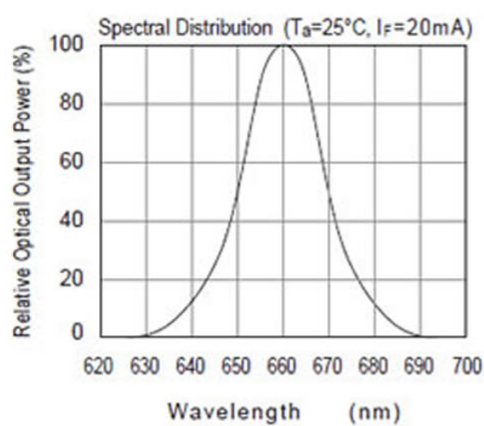
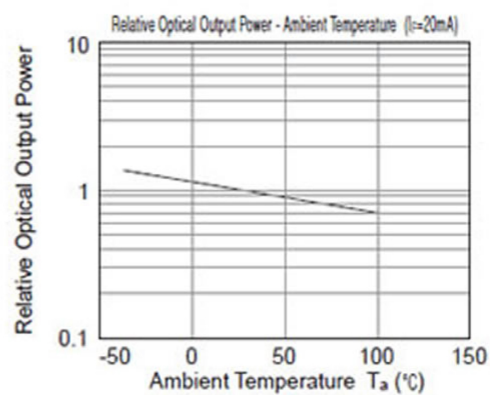
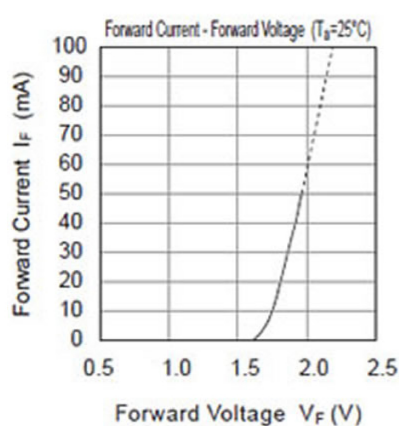
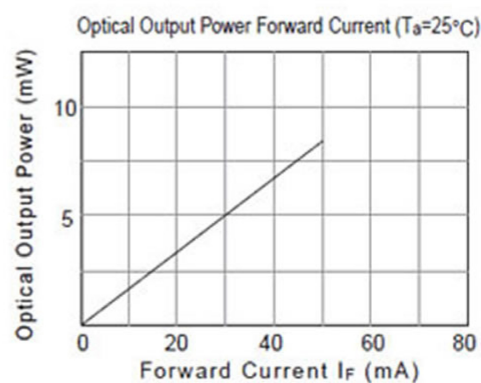
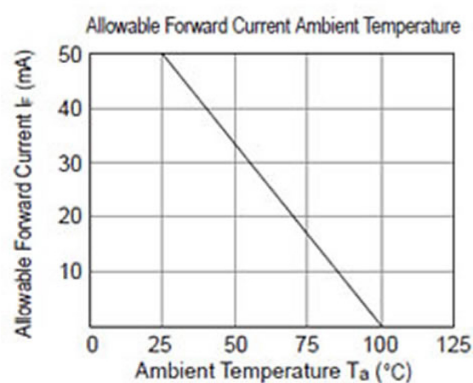


Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Conditions
Reverse voltage	V_R	6	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=0.1%
Power dissipation	P_D	100	mW	-
Operating temperature	T_{opr}	-40 to +100		Avoid dew condensation
Storage temperature	T_{stg}	-55 to +125		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	$V_R=6V$
Forward voltage	V_F	-	1.8	2.3	V	$I_F=20mA$
Optical output power	P_O	-	3.0	-	mW	$I_F=20mA$
Peak wavelength	λ_p	-	660	-	nm	$I_F=20mA$
Spectral width		-	20	-	nm	$I_F=20mA$
Half angle	2θ	-	45	-	deg.	$I_F=20mA$



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