



LED TYPE (LED TYP):

Color (Farbe): hyper-red

Chip-Type: AllnGaP

Case (Gehäuse): waterclear

GLLR5000-HR

Light Emitting Diodes (round 5 mm)

• Optical Characteristics ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value			Unit	Condition
		Min	Typ	Max		
Dominant Wavelength	λ_{DOM}	618	623	627	nm	$I_F = 20\text{ mA}$
Spectral Bandwidth, 50%	$\Delta\lambda$	-	20	-	nm	$I_F = 20\text{ mA}$
Viewing Angle	$2\phi_{1/2}$	-	25	-	Deg.	-
Luminous Intensity	I_v	-	800	-	mcd	$I_F = 20\text{ mA}$

• Electrical Characteristics ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value			Unit
		Min	Typ	Max	
Power Dissipation (P_{tot}), $T_A = 25^\circ\text{C}$	P_D	-	50	-	mW
Forward Current	I_F	-	20	-	mA
Forward Voltage ($I_F = 20\text{ mA}$)	U_F	-	1,9	2,4	V
Reverse Voltage ($I_R = 10\text{ uA}$)	U_R	-	5	-	V
Operating Temperature	T_{OP}	-40 ~ 85			$^\circ\text{C}$
Storage Temperature	T_{STG}	-50 ~ 120			$^\circ\text{C}$
Soldering Temperature	T_{SOLD}	250 $^\circ\text{C}$ 5 seconds maximum			-

