

Product information

**Product model ( Part number) 3A2UD (  $\phi$  3MM long foot highlight red)**

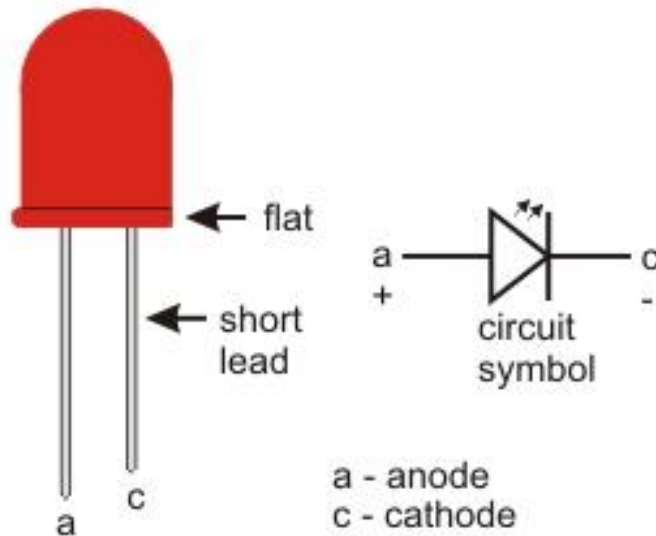


FIG outline ( the Package the Dimensions ) Unit: ( Unit ): mm

Chip (CHIP)	
Material	GaP
Color	red
Colloid ( Colloid )	
Material	Epoxy resin
Color	Red spread

Limit parameter ( Absolute the Maximum Ratings ) (Ta = 25 deg.] C)

Project parameters ( the Parameter )	Symbol ( Symbol )	Value	Unit ( Unit )
Max Power Dissipation	$P_M$	80	mW
Max Forward Current	$I_{FM}$	30	mA
Max Reverse Voltage	$V_{RM}$	5	V
Peak Forward Current	$I_{FP}$	75	mA
Leading Soldering Temperature / Time	$T_{SOL}$	240 / $\leq 3S$	$^{\circ}C / S$
Working environment (Operating Temperature Range)	$T_{OPR}$	-25 ~ 85	$^{\circ}C$
Storage Temperature Range	$T_{STR}$	-30 ~ 100	$^{\circ}C$

Optical parameters ( Initial Electrical Optical Characteristics )

Project parameters ( the Parameter )	symbol Symbol	Minimum value Min.	General value Typ.	Max.	unit Unit	Test Conditions Condition
Luminous Intensity	I <sub>v</sub>	50	60	70	mcd	I <sub>F</sub> = 20mA
Viewing Angle	2Ø1 / 2	/	30	/	deg	I <sub>F</sub> = 20mA
Peak Wave Length	λ <sub>p</sub>	/	630	/	nm	I <sub>F</sub> = 20mA
Dominant Wave Length	λ <sub>d</sub>	625	630	635	nm	I <sub>F</sub> = 20mA
Bandwidth (Spectral Width at half height)	Δλ	/	30	/	nm	I <sub>F</sub> = 20mA
Forward Voltage	V <sub>F</sub>	1.8	2.0	2.2	V	I <sub>F</sub> = 20mA
Reverse Current	I <sub>R</sub>	/	/	≤30	μA	VR = 5V

Note: The LED products provided by our company can be customized according to customer needs, and related technical parameters will change. For details, please consult our company personnel.

Aged proved: this LED under normal operating conditions: i.e., the I<sub>F</sub> = 20mA , V<sub>F</sub> = 2.5 V , the service life . 3 - 10 thousand hours.

Note: According to the anti-static welding operation (grounding wire, wearing a static ring, wearing a cotton finger cover)
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