

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







US-Lasers: 660nm-5mW - Red Laser Diode

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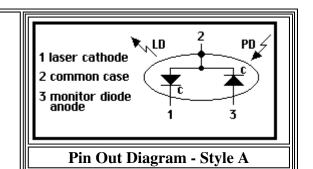
RED LASER DIODE DATA SHEETS ABSOLUTE MAXIMUM RATINGS - (Tc=25 °C)

TECHNICAL DATA

Visible laser diode light output 660nm

Optical power output 5mW CW Package Type 5.6mm

Built-in photo diode for monitoring laser output



Items	Symbols	Values	Unit
Optical output power	Po	5	mW
Laser diode reverse voltage	V	2	V
Photo diode reverse voltage	V	30	V
Operating temperature	Topr	-10 ~ +60	°C
Storage temperature	Tstg	-40 ~ +85	°C

OPTICAL and ELECTRICAL CHARACTERISTICS - (Tc=25 °C)									
Items	Symbols	Min.	Тур.	Max.	Unit	Test Condition			
Optical output power	Po	-	5	-	mW	-			
Threshold current	Ith	-	20	40	mA	-			
Operating current	Iop	-	40	60	mA	Po=5mW			
Operating voltage	Vop	-	2.7	-	V	Po=5mW			
Lasing wavelength	-	655	660	665	nm	Po=5mW			
Beam divergence		-	5	11	deg	Po=5mW			
Beam divergence		-	25	37	deg	Po=5mW			
Monitor current	Is	-	10	20	uĂ	Po=5mW			
Astigmatism	As	-	11	-	um	Po=5mW			
MTTF			10000 hrs			Po=5mW			
E 144 C!	10 CO M	•	D 144 D	N: -4 4	. C I	0.2			

Emitter Size $10 \times 60 \text{ Microns}$ - Emitter Distance to Cap Lens = 0.3 mm

Structure Index Guided