

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!



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US-Lasers: 650nm-5mW - Red Laser Diode and Red Diode Laser Module

Links to Laser Diode &

Laser Module

Laser Diodes

Laser Diode Module Micro Laser Module

Variable Output
Laser Diode Module

Configurations and Specifications

>>>>>> <u>D650</u>

<u>M650-5</u> <u>MM650-5</u>

Barrel Specs: Output Output DATA SHEETS MM650nm 5mWRED LASER MODULE & DIODE Weight & Wire Lengths: Output Output Output DATA SHEETS MM650nm 5mWRED LASER MODULE & DIODE Lens Housing Specs: Output Outp

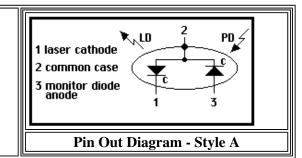
RED LASER DIODE ABSOLUTE MAXIMUM RATINGS - (Tc=25 °C)

TECHNICAL DATA

Visible laser diode light output 650nm

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	

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OPTICAL and ELECTRICAL CHARACTERISTICS - (Tc=25 °C)								
Symbols	Min.	Typ.	Max.	Unit	Test Condition			
Po	-	5	-	mW	-			
Ith	-	20	70	mA	-			
Iop	-	65	85	mA	Po=5mW			
Vop	-	2.7		V	Po=5mW			
	640	650	660	nm	Po=5mW			
	-	5	11	deg	Po=5mW			
	-	25	37	deg	Po=5mW			
Im	-	10	20	uA	Po=5mW			
As	-	11	-	um	Po=5mW			
		3-5,000 hrs.			Po=5mW			
10 x 60 Mi	crons - E	mitter Dist	ance to C	Cap Lens $= 0$.	3mm			
	Symbols Po Ith Iop Vop	Symbols Min. Po - Ith - Iop - Vop - 640 - Im - As -	Symbols Min. Typ. Po - 5	HARACTERISTICS - (Tc=25 °C) Symbols Min. Typ. Max. Po - 5 -	HARACTERISTICS - (Tc=25 °C) Symbols Min. Typ. Max. Unit Po - 5 - mW Ith - 20 70 mA Iop - 65 85 mA Vop - 2.7 V 640 650 660 nm - 5 11 deg - 25 37 deg Im - 10 20 uA As - 11 - um			

Structure Index Guided

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