imall

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





Product No: MTPS8085MC

Peak Emission Wavelength: 855nm

The 850nm Point Source Series is designed for applications requiring high accuracy and precision as well as uniform spectral emission. Custom package solutions and sorting are available.

FEATURES

- > 3.5×2.2×1.24 Flat Top Ceramic SMT
- > Emitting Window Diameter Φ 150 μ m
- > High Reliability / High Output Power
- APPLICATIONS
- > Optical Scanning> Linear & Rotary Encoder
- > Edge Sensing
- > Optical Sensors



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ITEMS	SYMBOL	RATINGS	UNIT	lead-free
Forward Current (DC)	IF	60	mA	
Forward Current (Pulse)*1	IFP	0.4	A	
Reverse Voltage	VR	5	V	
Power Dissipation	PD	110	mW	
Operating Temperature Range	Topr	-20 ~ +85	°C	
Storage Temperature Range	Tstg	-30 ~ +100	Oo	

*1: Tw=10µsec, T=10msec.

Electrical & Optical Characteristics (Ta = 25°C)									
ITEMS	SYMBOL	CONDITIONS	MIN	ТҮР	MAX	UNIT			
Power Output	PO	IF=20mA		4.5		mW			
Forward Voltage	VF	IF=20mA		1.7	2.2	V			
Reverse Current	IR	VR=5V			100	μA			
Peak Emission Wavelength	λρ	IF=20mA		855		nm			
Spectral Line Half Width	$\Delta\lambda$	IF=20mA		40		nm			
Half Intensity Beam Angle	θ	IF=20mA		±50		deg			

2012-02-21

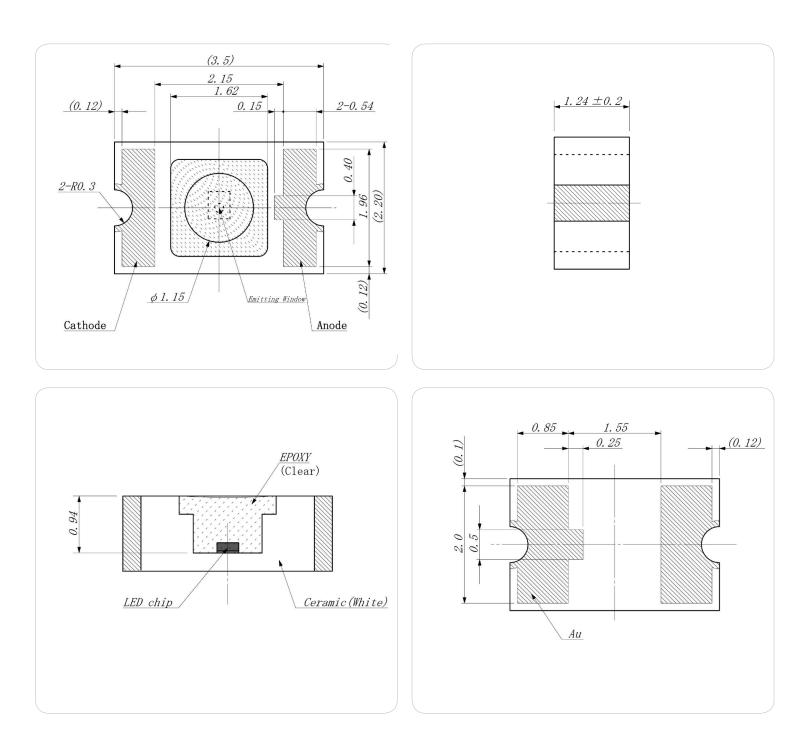
Global Headquarters, 3 Northway Lane North, Latham, NY 12110, USA **www.marktechopto.com TOLL FREE:** 1-800-984-5337 • **PHONE:** 518-956-2980 • **FAX:** 518-785-4725 • **EMAIL:** info@marktechopto.com 1



Ph



Product No: MTPS8085MC

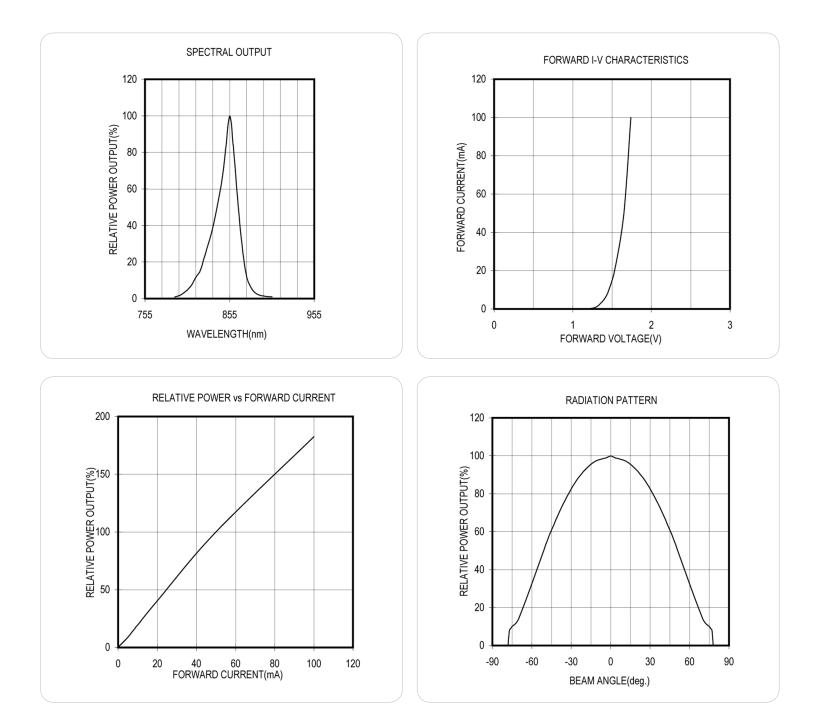


Unit: mm, Tolerance: ±0.2

2012-02-21

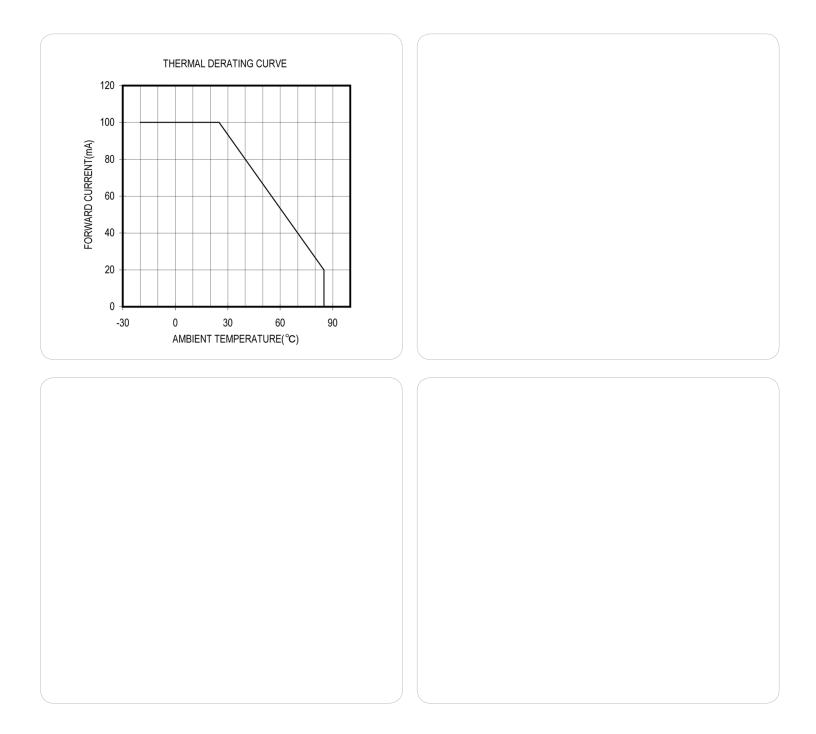


Product No: MTPS8085MC





Product No: MTPS8085MC



The information contained herein is subject to change without notice.

2012-02-21