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





Visible Red Point Source Emitter

Product No: MTPS9067NK1

Peak Emission Wavelength: 650nm

The 650nm Point Source Series is designed for applications requiring high accuracy and precision. Custom package solutions and sorting are available.

FEATURES

- > Hermetically Sealed TO-46
- > Emitting Window Diameter Φ 150 μm
- > Gold Plated Dome Lens
- > High Reliability / High Output Power
- > Extremely Narrow Radiation Pattern

APPLICATIONS

- > Optical Sensing / Optical Instruments
- > Linear & Rotary Encoder
- > Machine Vision / CCD



Absolute Maximum Ratings (Ta=25°C)

	0 (/		- W	
EMS	SYMBOL	RATINGS	UNIT	lead-free	
Forward Current (DC)	IF	50	mA		
Forward Current (Pulse)*1	IFP	0.3	A		
Reverse Voltage	VR	5	V		
Power Dissipation	PD	125	mW		
Operating Temperature Range	Topr	-20 ~ +85	Co		
Storage Temperature Range	Tstg	-30 ~ +100	℃		
Junction Temperature	Tj	100	℃		
Lead Soldering Temperature*2	TIs	260	℃		

*1: Tw=10µsec, T=10msec; *2: Time 5 Sec max, Position: Up to 3mm from the body.

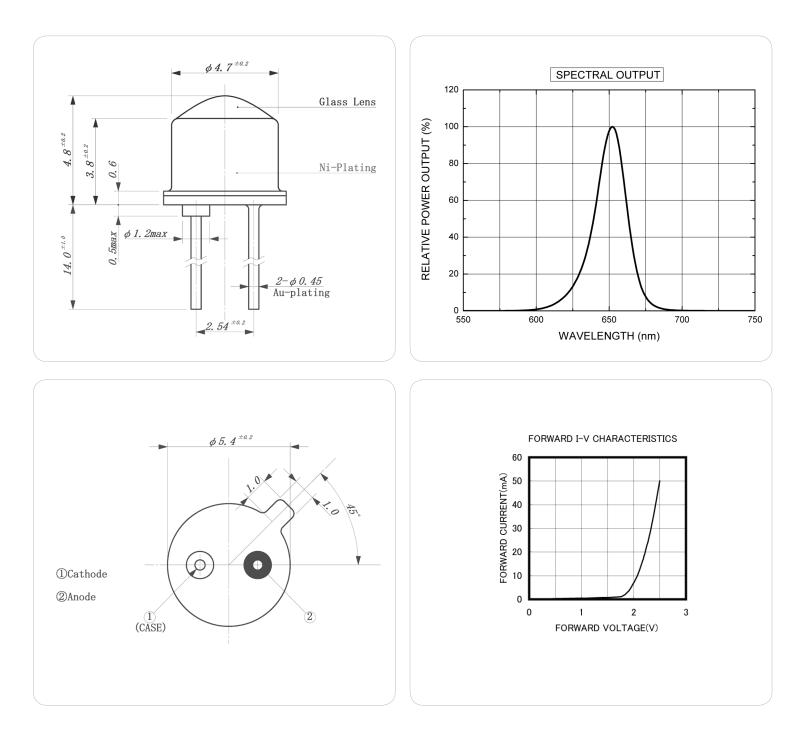
Electrical & Optical Characteristics (Ta = 25°C)

Electrical a optical			=0 0)			
ITEMS	SYMBOL	CONDITIONS	MIN	ТҮР	MAX	UNIT
Power Output	PO	IF=20mA	0.2	0.4		mW
Forward Voltage	VF	IF=20mA		2.2	2.5	V
Reverse Current	IR	VR=5V			10	μΑ
Peak Emission Wavelength	λρ	IF=20mA	630	650	670	nm
Spectral Line Half Width	$\Delta\lambda$	IF=20mA		20		nm
Half Intensity Beam Angle	θ	IF=20mA		±5		deg
Temperature Coefficient of PO	P/T	IF=10mA		-0.24		%/°C
Temperature Coefficient of VF	V/T	IF=10mA		-3.8		mV/ºC
Rise Time	Tr	IFP=20mA		35		nS
Fall Time	Tf	IFP=20mA		30		nS

2016-03-31



Product No: MTPS9067NK1

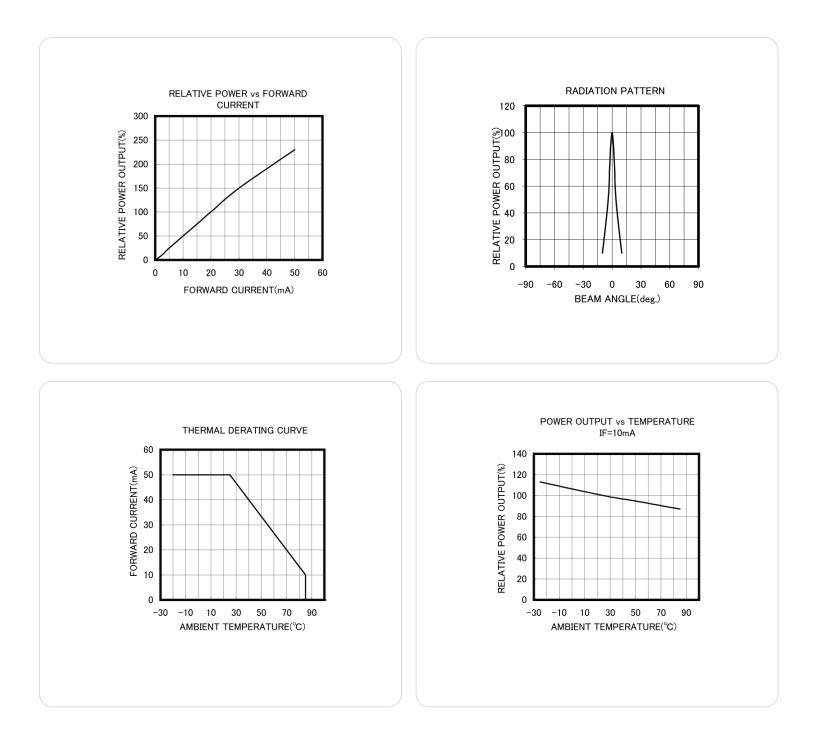


Unit: mm, Tolerance: ±0.2

2016-03-31



Product No: MTPS9067NK1

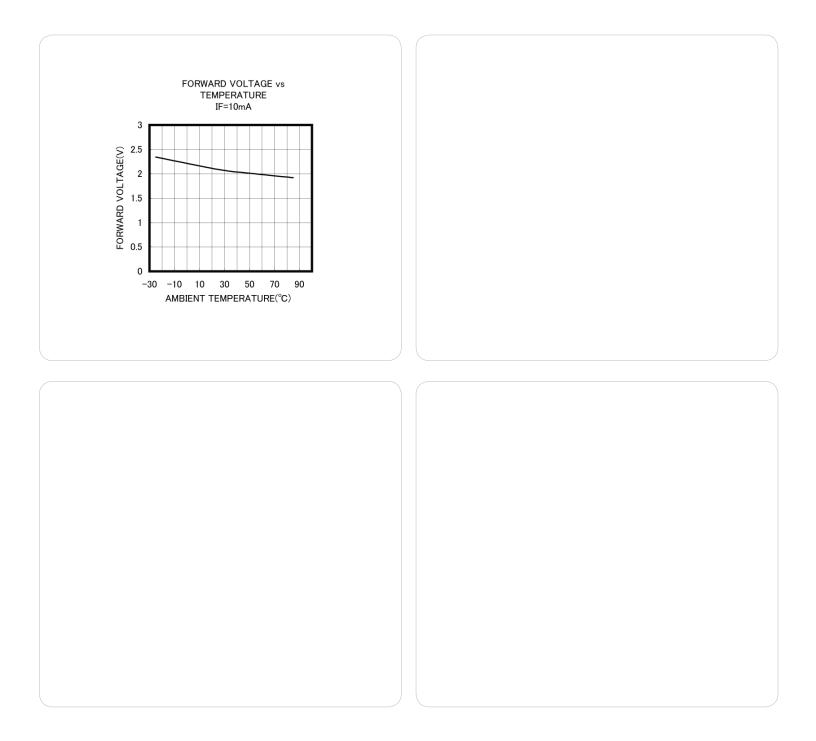


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Product No: MTPS9067NK1



The information contained herein is subject to change without notice.

2016-03-31