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

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Infrared Emitter

Product No: MTE8760MT

Peak Emission Wavelength: 870nm

The 870nm infrared emitter series is designed for applications requiring high accuracy and precision as well as uniform spectral emission. Custom package solutions and sorting are available.

APPLICATIONS

> Optical Switches

> Bar-code Reader

FEATURES

- > PLCC-4 Package
- > High Reliability
- > High Output Power
- > Wide Beam Angle

Absolute Maximum Ratings (Ta=25°C)

	U	· · · · · · · · · · · · · · · · · · ·			
TEMS	SYMBOL	RATINGS	UNIT	lead-freé	
Forward Current (DC)	IF	80	mA		
Forward Current (Pulse)*1	IFP	0.5	A		
Reverse Voltage	VR	5	V		
Power Dissipation	PD	160	mW		
Operating Temperature Range	Topr	-20 ~ +80	℃		
Storage Temperature Range	Tstg	-30 ~ +100	Ο°		
Junction Temperature	Tj	100	℃		
Lead Soldering Temperature*2	TIs	260	Oo		

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

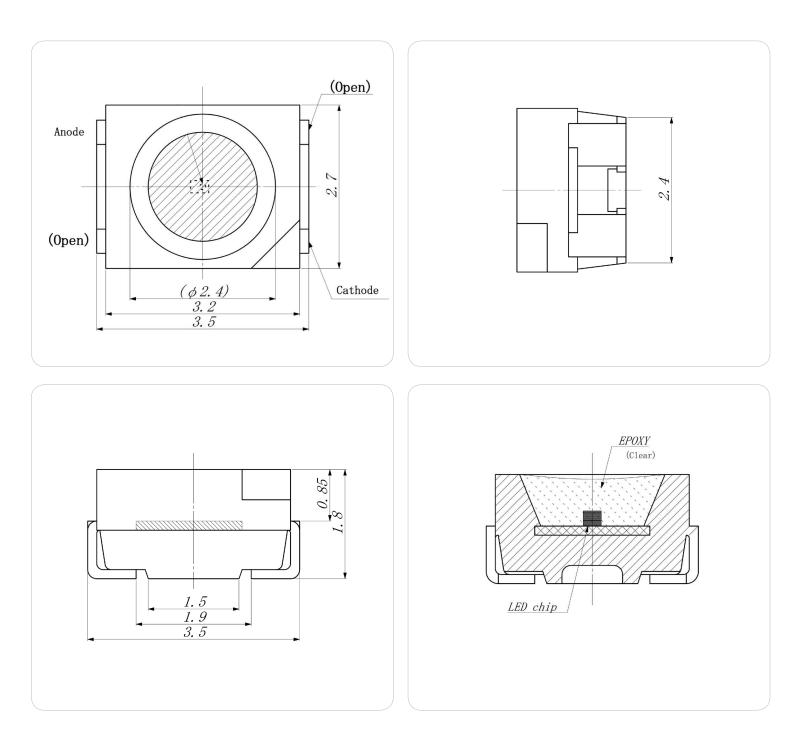
Electrical & Optical Characteristics (Ta = 25°C)

ITEMS	SYMBOL	CONDITIONS	MIN	ТҮР	MAX	UNIT
Power Output	PO	IF=50mA		20.0		mW
Forward Voltage	VF	IF=50mA		1.45	1.80	V
Reverse Current	IR	VR=5V			100	μA
Peak Emission Wavelength	λρ	IF=50mA		870		nm
Spectral Line Half Width	Δλ	IF=50mA		45		nm
Half Intensity Beam Angle	θ	IF=50mA		±55		deg

2012-11-06



Infrared Emitter Product No: MTE8760MT

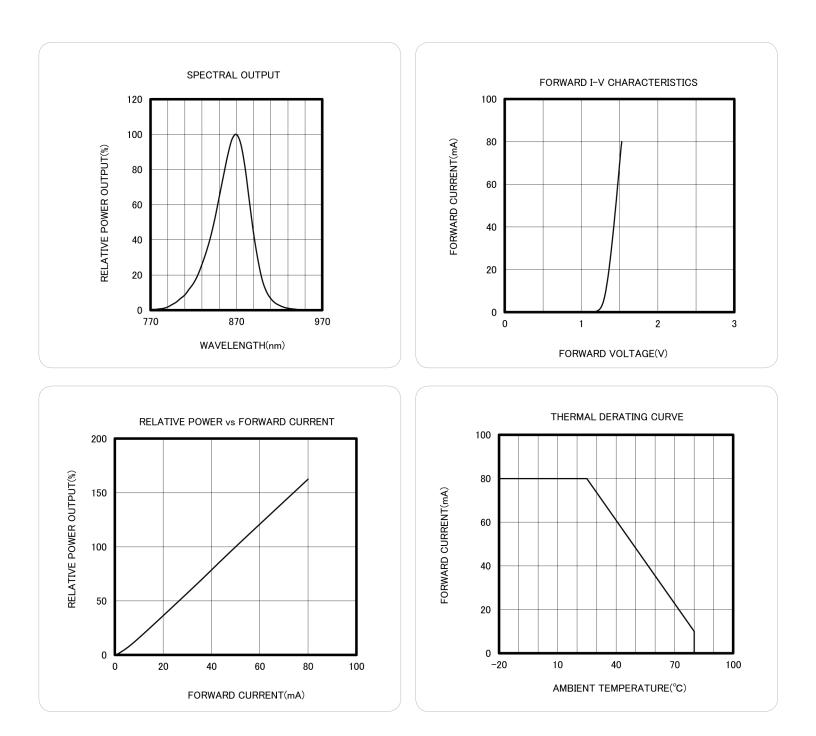


Unit: mm, Tolerance: ±0.2

2012-11-06



Infrared Emitter Product No: MTE8760MT

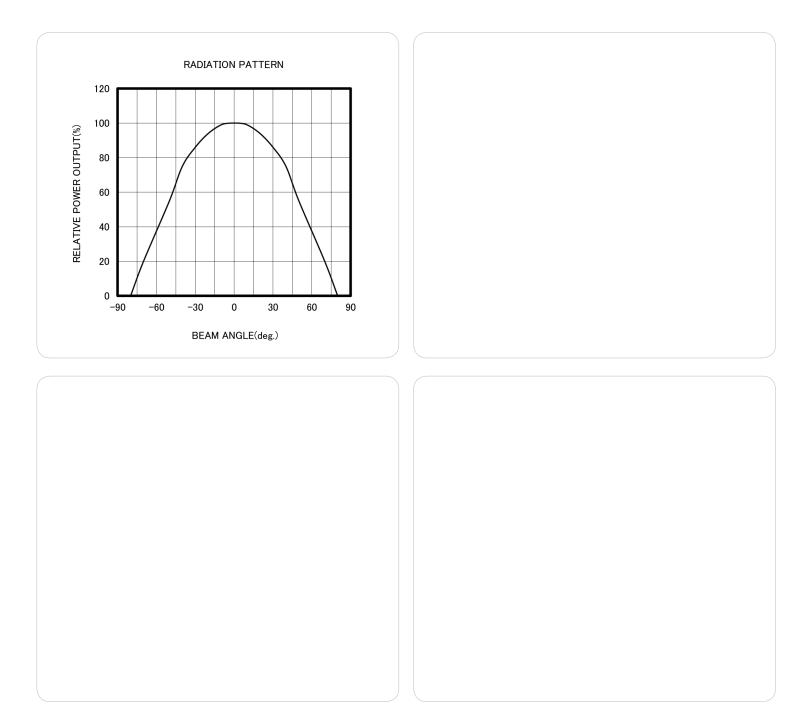


2012-11-06

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Infrared Emitter Product No: MTE8760MT



The information contained herein is subject to change without notice.

2012-11-06