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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High Power Infrared Emitter

Product No: MTE8760C

Peak Emission Wavelength: 870nm

The MTE8760C consists of a 870nm high output infrared die in a water-clear 3mm plastic molded package. Custom package solutions and sorting are available.

FEATURES

- > High Output Power
- > Compact
- > High Reliability

- APPLICATIONS
- > Optical Switches & Sensors
- > Optical Position Sensing / Security Systems
- > Medical Applications / Optical Communication
- > Bar-code Reader / Smoke Detector



Absolute Maximum Ratings (Ta=25°C)

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

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

Electrical & Optical Characteristics (Ta = 25°C)

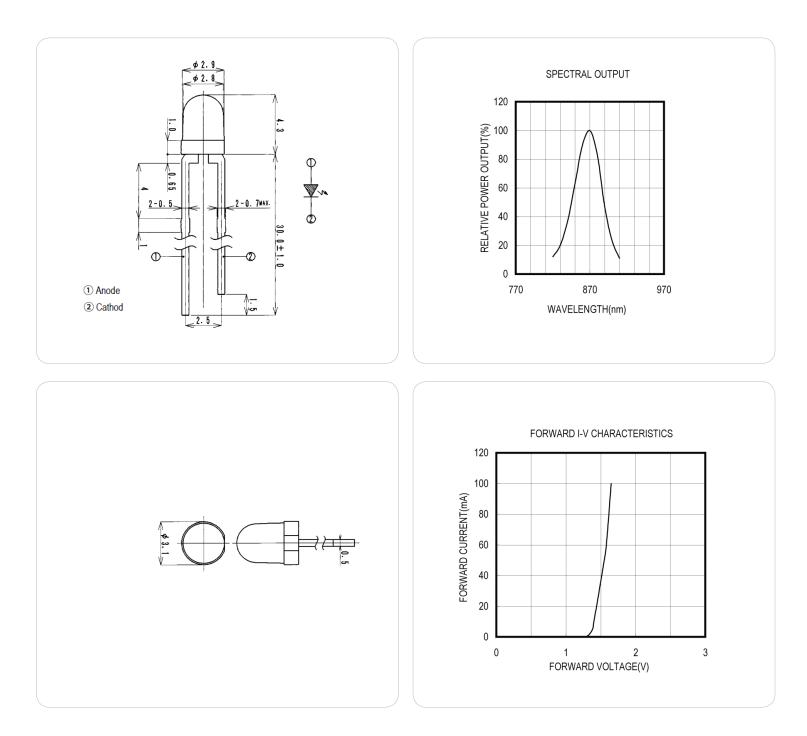
		N N	/			
ITEMS	SYMBOL	CONDITIONS	MIN	ТҮР	MAX	UNIT
Power Output	PO	IF=50mA	8.0	18.0		mW
Forward Voltage	VF	IF=50mA		1.5	1.8	V
Reverse Current	IR	VR=5V			10	μA
Peak Emission Wavelength	λρ	IF=50mA		870		nm
Spectral Line Half Width	Δλ	IF=50mA		45		nm
Half Intensity Beam Angle	θ	IF=50mA		±20		deg

2012-05-17



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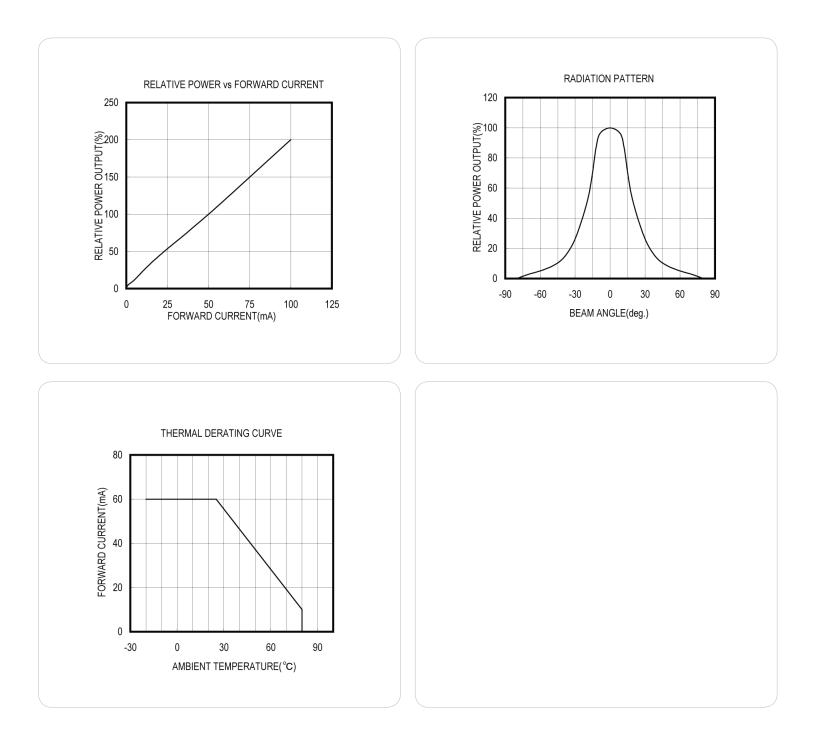


Unit: mm, Tolerance: ±0.2



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The information contained herein is subject to change without notice.

2012-05-17