

MTE7800

Features

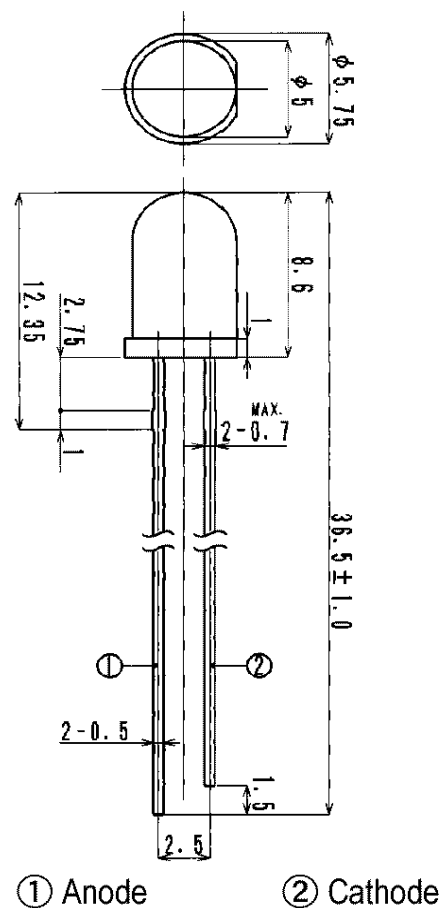
High Power Output
Narrow Beam Angle
High Reliability

Applications

Optical Switches
Optical Sensors
Medical Applications

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Test Condition	Unit
Forward Current	I _F	50	–	mA
Pulsed Forward Current	I _{FP}	.50	tw=10μs, T=10mS	A
Reverse Voltage	V _R	5	–	V
Power Dissipation	P _D	100.00	–	mW
Operating Temperature	T _{opr}	–20 ~ +80	–	°C
Storage Temperature	T _{stg}	–30 ~ +100	–	°C
Junction Temperature	T _j	100	–	°C
Soldering Temperature	T _{sol}	260	for 3 sec. max	°C



Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =20mA	–	1.55	1.95	V
Reverse Current	I _R	V _R =5V	–	–	100	μA
Power Output	PO	I _F =20mA	–	5.50	–	mW
Half Intensity Beam Angle	θ	–	–	± 12°	–	deg.
Peak Wavelength	λ _p	I _F =20mA	–	775	–	nm
Spectral Line Half Width	Δλ	I _F =20mA	–	25	–	nm

Specifications are subject to change without notice.

Company Headquarters

3 Northway Lane North
Latham, New York 12110
Toll Free: 800.984.5337
Fax: 518.785.4725

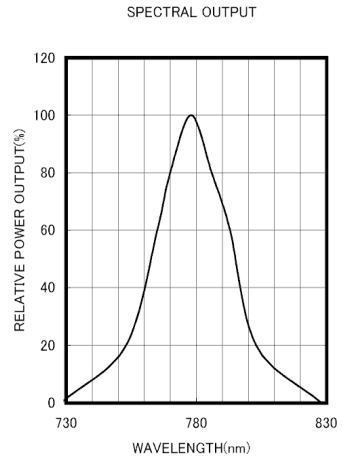
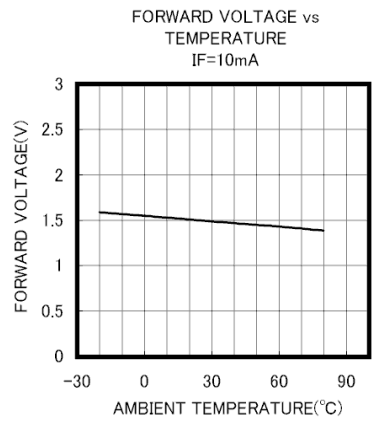
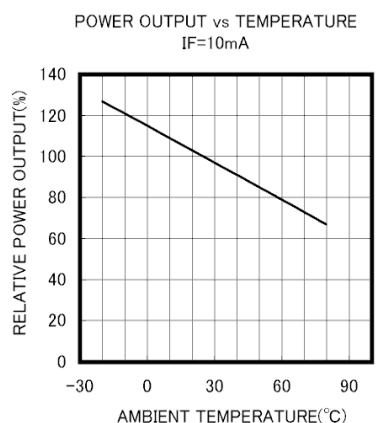
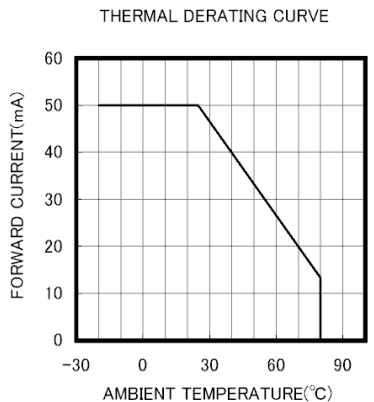
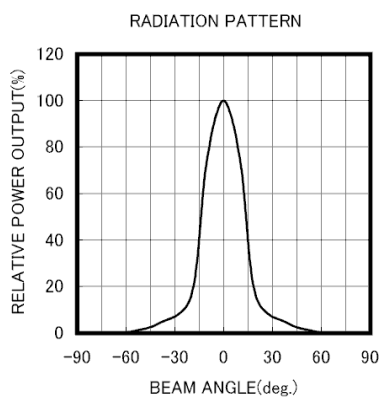
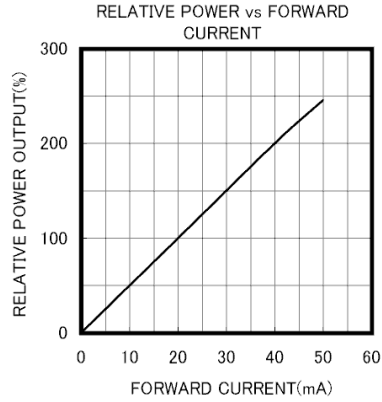
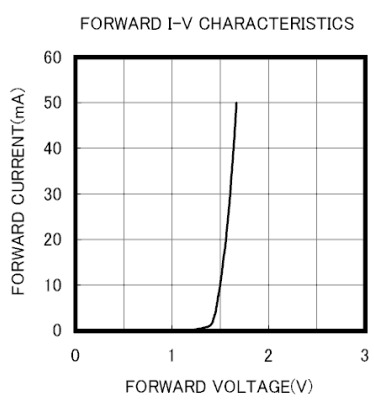
West Coast Sales Office

950 South Coast Drive, Suite 265
Costa Mesa, California 92626
Toll Free: 800.984.5337
Fax: 714.850.9314



Red Visible Emitter

MTE7800 Graphs



Company Headquarters
 3 Northway Lane North
 Latham, New York 12110
 Toll Free: 800.984.5337
 Fax: 518.785.4725



Web: www.marktechopto.com | Email: info@marktechopto.com

West Coast Sales Office
 950 South Coast Drive, Suite 265
 Costa Mesa, California 92626
 Toll Free: 800.984.5337
 Fax: 714.850.9314