

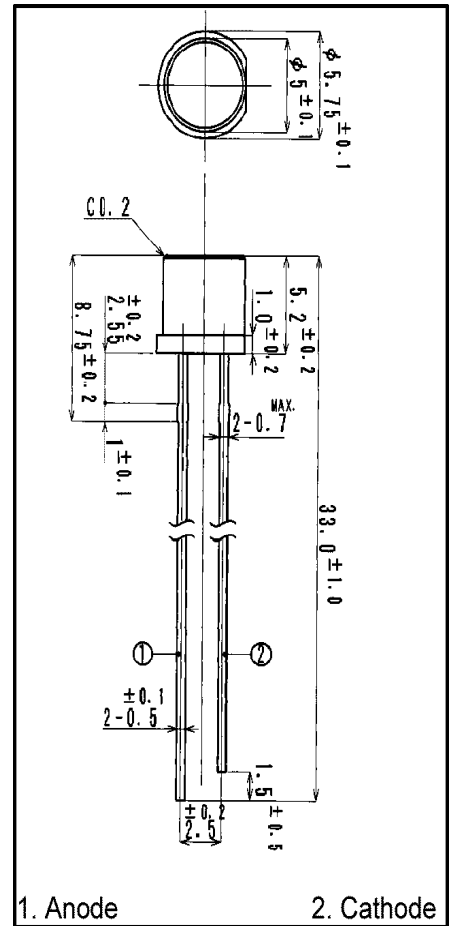
MT85F-UR

Features

Visible Light Emitter
 Excellent Optical/Mechanical Axis Alignment
 Designed to Interface with External Optics

Applications

Fiber Optics
 Bar Code Scanning



Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Test Condition	Unit
Forward Current	I _F	50	-	mA
Pulsed Forward Current	I _{FP}	-	PW=10μA, Duty=0.1%	A
Reverse Voltage	V _R	3.00	-	V
Power Dissipation	P _D	120.00	-	mW
Operating Temperature	T _{opr}	-20~+80	-	°C
Storage Temperature	T _{stg}	-30 ~+100	-	°C
Junction Temperature	T _j	-	-	°C
Soldering Temperature	T _{sol}	260	for 5 sec. max	°C

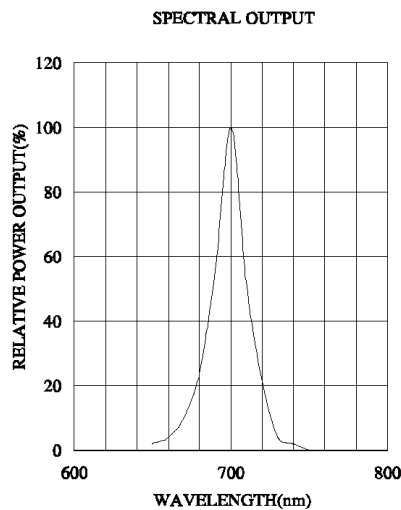
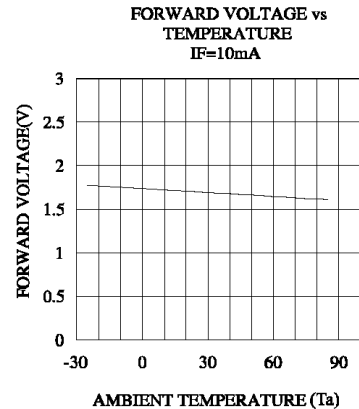
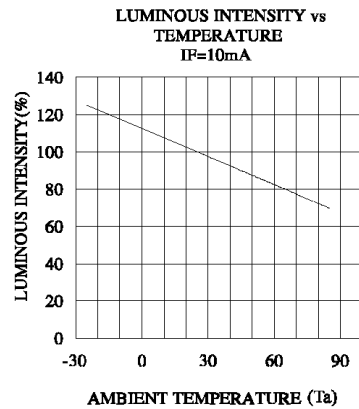
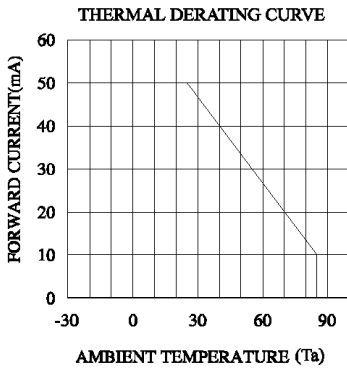
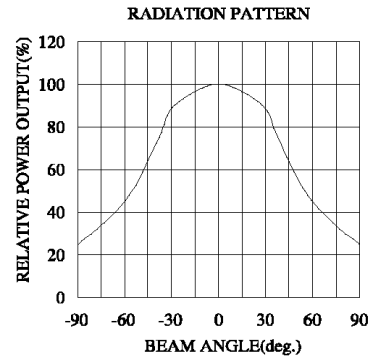
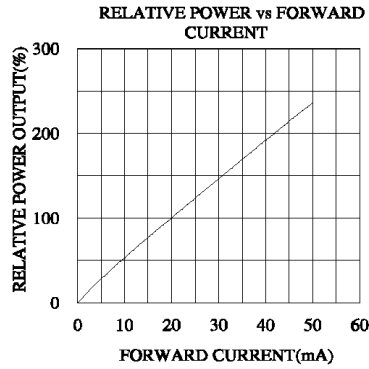
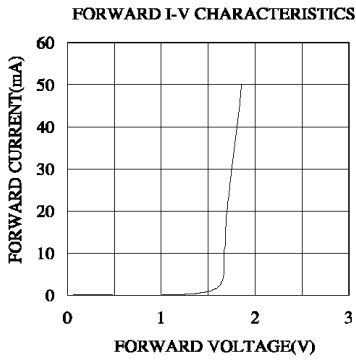
Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =20mA	-	1.85	2.20	V
Reverse Current	I _R	V _R =3V	-	-	10	μA
Power Output	PO	I _F =20mA	1.00	2.00	-	mW
Half Intensity Beam Angle	θ	-	-	± 65°	-	deg.
Peak Wavelength	λ _p	I _F =20mA	-	700	-	nm
Spectral Line Half Width	Δλ	I _F =20mA	-	25	-	nm
Rise Time	T _r	I _{FP} =50mA	-	80.00	-	ns
Fall Time	T _f	I _{FP} =50mA	-	60.00	-	ns

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MT85F-UR Graphs



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