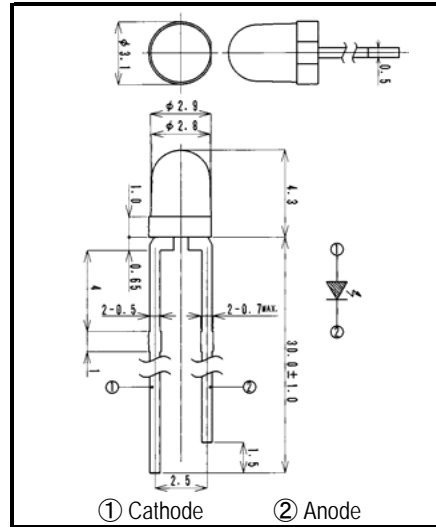


MT5066A-UR2

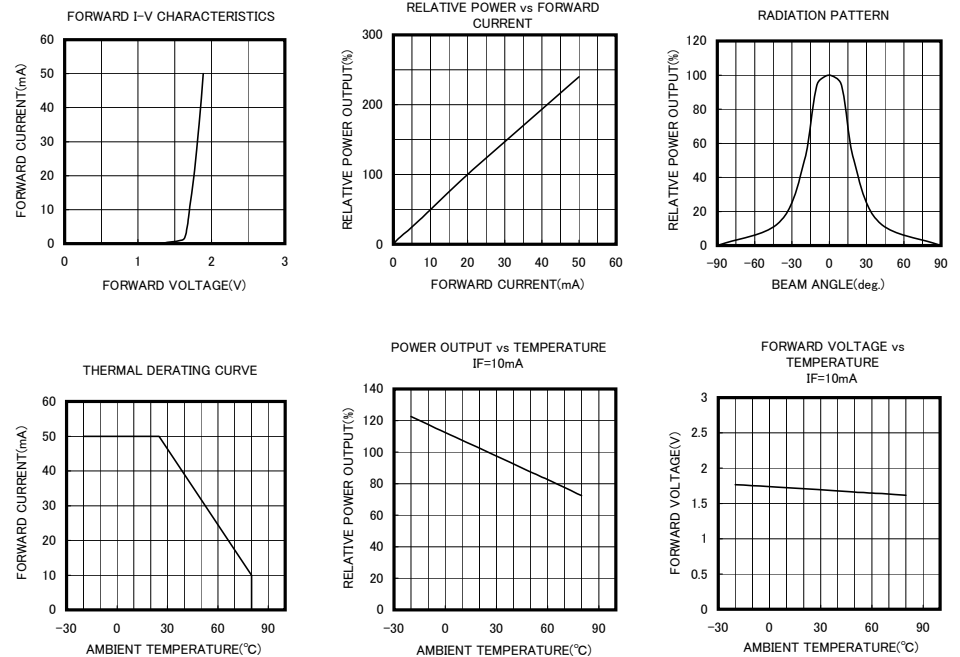
Visible Light Emitting Diode



- FEATURES**
- High-output Power
 - Compact
 - High Reliability
- APPLICATIONS**
- Optical Switches
 - Optical Sensors

2. ELECTRICAL & OPTICAL CHARACTERISTICS (Ta=25°C)

ITEM	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Power Output	PO	IF=20mA	5.0	7.0		mW
Forward Voltage	VF	IF=20mA		1.8	2.2	V
Reverse Current	IR	VR=5V			100	μA
Peak Wavelength	λp	IF=20mA		660		nm
Spectral Line Half Width	Δλ	IF=20mA		25		nm
Half Intensity Beam Angle	θ	IF=20mA		±18		deg.
Rise Time	Tr	IFP=20mA		30		nS
Fall Time	Tf	IFP=20mA		30		nS
Junction Capacitance	Cj	1MHz, V=0V		20		pF
Temp. Coefficient of PO	P/T	IF=10mA		-0.5		%/°C
Temp. Coefficient of VF	V/T	IF=10mA		-1.5		mV/°C



1. ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

ITEM	SYMBOL	RATINGS	UNIT
Forward Current (DC)	IF	50	mA
Forward Current (Pulse)*1	IFP	0.5	A
Reverse Voltage	VR	5	V
Power Dissipation	PD	110	mW
Operating Temp.	ToPr	-20 TO 80	°C
Storage Temp.	Tstg	-30 TO 100	°C
Junction Temp.	Tj	100	°C
Lead Soldering Temp.*2	Tls	260	°C

*1: Tw=10uS, T=10mS

*2: Time 5 Sec max, Position: Up to 3mm from the body

To purchase this part contact
Marktech Optoelectronics at
800.984.5337

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