

MT1059A-UY

Features

High Power Output
Wide Viewing Angle
Compact

Applications

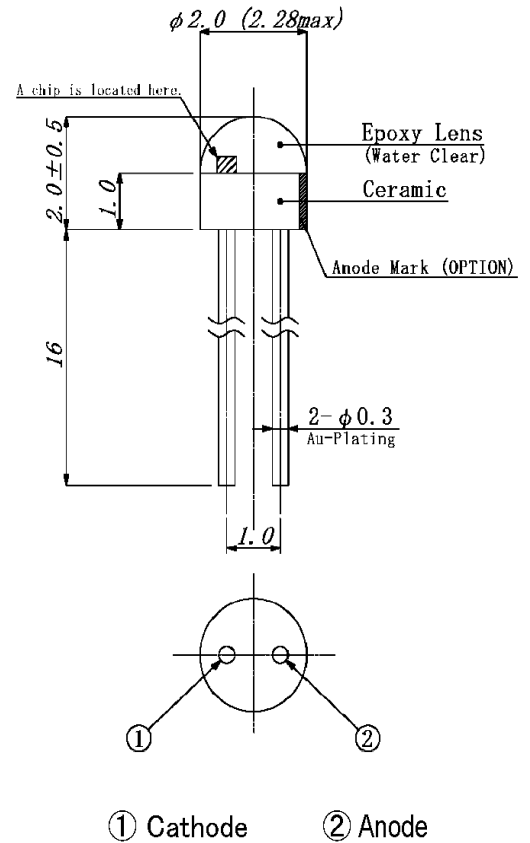
Optical Switches
Indicator
Light Source for Sensor

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Test Condition	Unit
Forward Current	I _F	30	—	mA
Pulsed Forward Current	I _{FP}	.30	tw=10μs, T=10ms	A
Reverse Voltage	V _R	5	—	V
Power Dissipation	P _D	80.00	—	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 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	—	2.10	2.50	V
Reverse Current	I _R	V _R =5V	—	—	100	μA
Power Output	P _O	I _F =20mA	—	1.00	—	mW
Luminous Intensity	I _v	I _F =20mA	—	80.00	—	mcd
Half Intensity Beam Angle	θ	—	—	± 60°	—	deg.
Peak Wavelength	λ _p	I _F =20mA	—	590	—	nm
Dominant Wavelength	λ _d	I _F =20mA	—	587	—	nm
Spectral Line Half Width	Δλ	I _F =20mA	—	13	—	nm



MT1059A-UY Graphs

