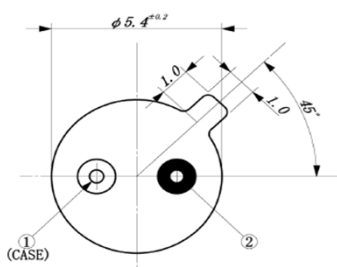
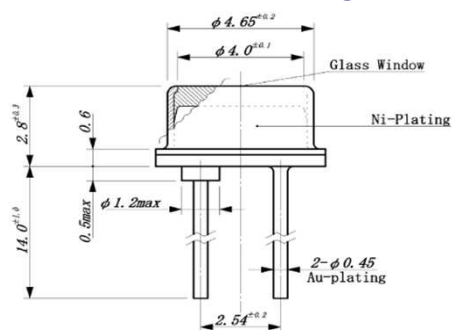


Peak Emission Wavelength: 1450nm



1- cathode, 2 -anode, all dimensions in mm,
tolerance: ± 0.2

Description

- TO-46 with flat glass lens cap
- Type: InGaAs/InP, MQW
- High power
- High speed
- Wide beam angle
- High reliability

Application

- Optical switches
- Optical communication
- Safety equipment
- Automation
- Applications requiring high output and precise optical / mechanical axis alignment.

Absolute Maximum Ratings (Ta=25°C)



ITEMS	TEST CONDITIONS	SYMBOL	RATINGS	UNIT
Forward DC Current		If	100	mA
Peak Forward Current (pulse)	$t \leq 10\mu s, T=10ms$	Ifp	1000	mA
Reverse Voltage	$I_r=100\mu A$	Vr	5	V
Power Dissipation		Pd	100	mW
Operating Temperature Range		Top	-25 to +85	°C
Storage Temperature Range		Tst	-30 to +100	°C
Lead Soldering Temperature	$t < 5sec, 3mm$ from case	Tslg	260	°C
Junction Temperature		Tj	100	°C

Electrical & Optical Characteristics (Ta = 25°C)

ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	V _f	I _f =20mA	--	0.8	--	V
Forward Voltage	V _f	I _f =50mA	--	0.8	1.1	V
Reverse Current	I _r	V _r =5V	--	100	--	uA
Radiant Power	Φ _e	I _f =100mA	--	6.5	--	mW
Peak Wavelength	λ _p	I _f =50mA	--	1450	--	nm
Spectral Bandwidth at 50%	Δλ _{0.5}	I _f =50mA	--	150	--	nm
Viewing Angle	φ	I _f =50mA	--	+/-45	--	deg