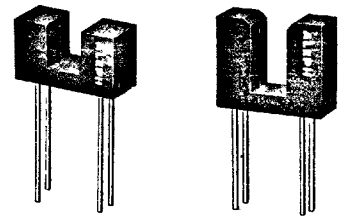
Interrupter Opto Sensor OJ-1202/OJ-1302

T-41-73

- Photo transistor output
- Sensing slot width 5mm (0.20")
- High sensitivity, High resolution
- OJ-1302 : Deep slot



■ MAXIMUM RATINGS (Ta=25°C)

Item		Symbol	Value
Input	Forward Current	IF	50mA
	Reverse Voltage	VR	5V
Output	C-E Voltage	VCEO	30V
	E-C Voltage	VECO	5V
	Collector Current	IC	50mA
	Collector Power Dissipation	PC	75mW
Operating Temp.		Topr	−25°～+85°C
Storage Temp.		Tstg	−30°～+90°C

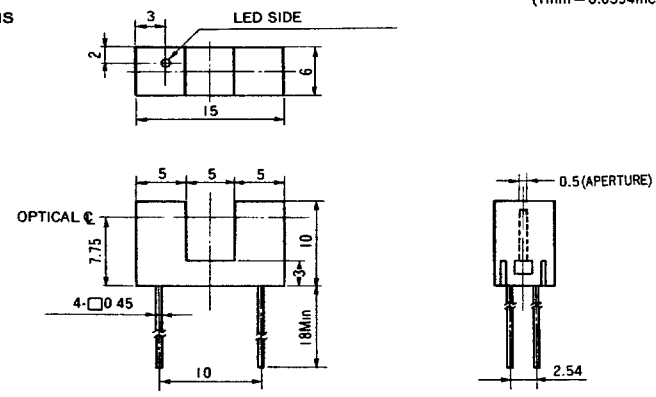
■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

Item		Symbol	Conditions	Min	Typ	Max	Unit
Input	Forward Voltage	VF	IF=10mA	1.0	1.15	1.3	V
	Reverse Current	IR	VR=5V	—	—	10	μA
Output	Dark Current	ID	VCE=24V IF=0	—	5	100	nA
	Collector Current	IC	IF=20mA VCE=5V	0.5	2.0	—	mA
	C-E Saturation Voltage	VCE (Sat)	IF=20mA IC=0.25mA	—	0.1	0.4	V
Switching Speed	Rise Time	tr	VCC=5V IC=2mA RL=100Ω	—	6	—	μS
	Fall Time	tf		—	6	—	μS

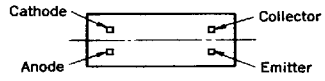
OJ-1202

■ Dimensions

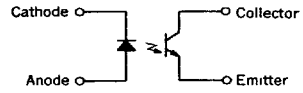
Dimensions in mm (1mm=0.0394inches)



■ Pinout (Bottom view)



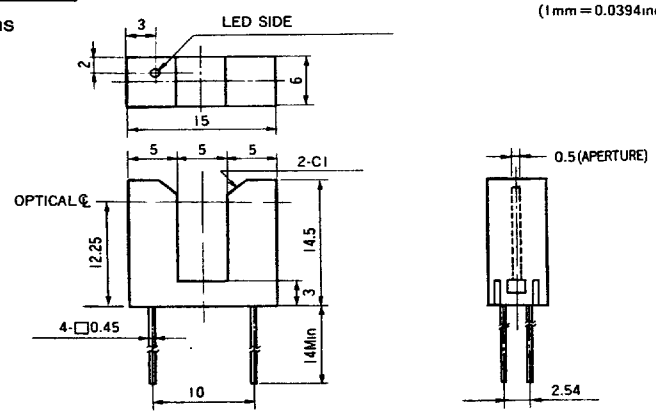
■ Schematic



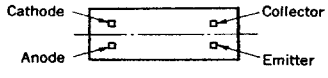
OJ-1302

■ Dimensions

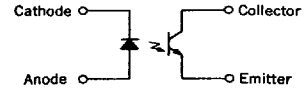
Dimensions in mm (1mm=0.0394inches)



■ Pinout (Bottom view)



■ Schematic



▶ See page 26 for typical performance curves.