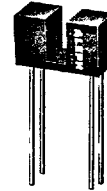
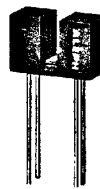


Interrupter Opto Sensor**OJ-1002/OJ-1102**

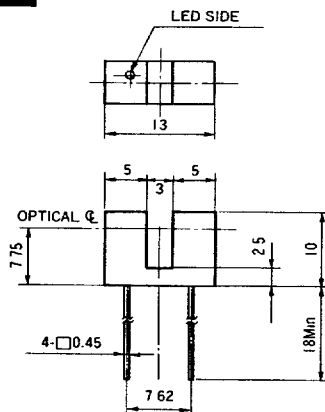
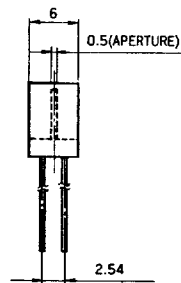
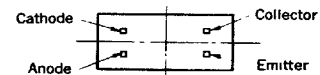
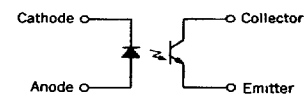
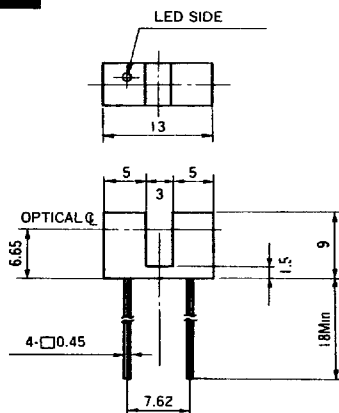
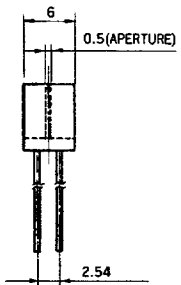
T-41-73

- Photo transistor output
- Sensing slot width 3mm (0.12")
- Miniature, General purpose
- High sensitivity, High resolution



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

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					
Switching Speed	Rise Time	tr VCC=5V IC=2mA RL=100Ω	—	6	—	μS
	Fall Time	tf	—	6	—	μS

OJ-1002**■ Dimensions**Dimensions in mm
(1mm=0.0394inches)**■ Pinout (Bottom view)****■ Schematic****OJ-1102****■ Dimensions**Dimensions in mm
(1mm=0.0394inches)**■ Pinout (Bottom view)****■ Schematic**