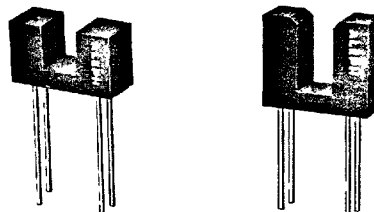


Interrupter Opto Sensor

OJ-1206/OJ-1306

T-41-73

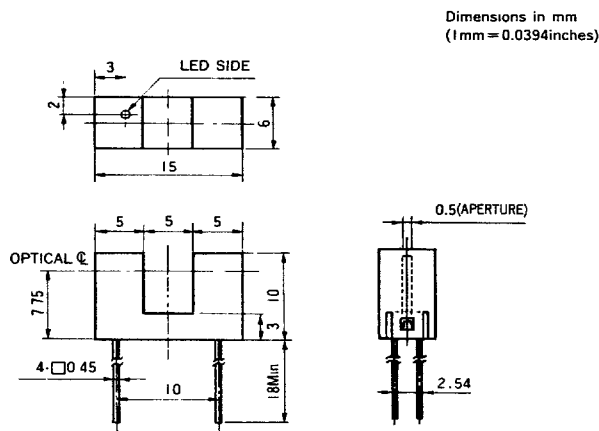
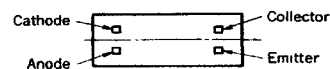
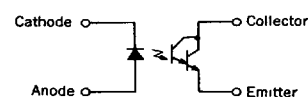
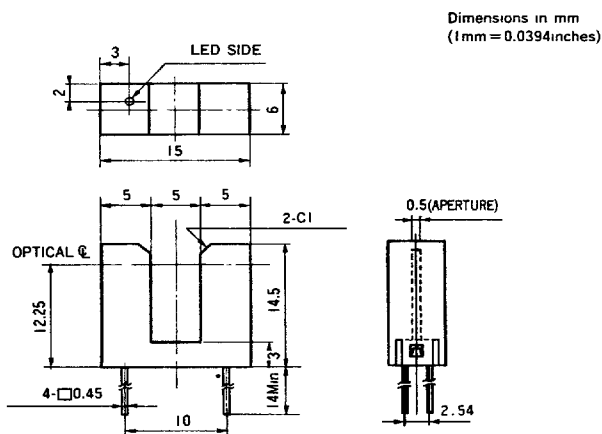
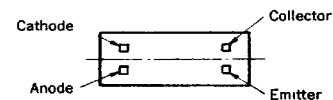
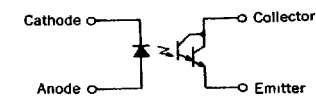
- Photo Darlington transistor output
- Sensing slot width 5mm (0.20")
- OJ-1306 : Deep slot

**MAXIMUM RATINGS** (Ta = 25°C)

Item	Symbol	Value
Input	Forward Current	IF 50mA
	Reverse Voltage	VR 5V
Output	C-E Voltage	VCE0 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 = 16V IF = 0	—	30	250	nA
	Collector Current	IC IF = 10mA VCE = 2V	—	10	—	mA
	C-E Saturation Voltage	VCE (Sat) IF = 10mA IC = 1mA	—	0.85	1.2	V
Switching Speed	Rise Time	tr VCC = 5V IC = 10mA RL = 100Ω	—	200	—	μs
	Fall Time	tf	—	150	—	μs

OJ-1206**Dimensions****Pinout (Bottom view)****Schematic****OJ-1306****Dimensions****Pinout (Bottom view)****Schematic**

▶ See page 29 for typical performance curves.