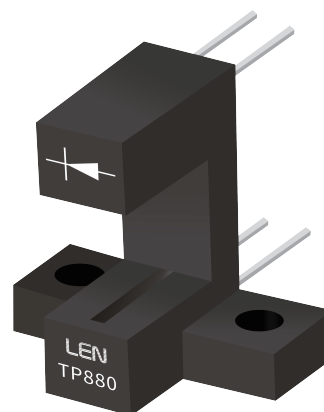


Descriptions

TP880 is a standard,phototransistor output transmissive photointerrupter with opposing emitter and detector in a case, providing non-contact sensing. For this family of devices, the emitter and detector are inserted in a case, resulting in a through hole design.



DIP-4

Features

- ◇ High analytic
- ◇ High sensitivity
- ◇ Fast response time

Applications

- ◇ Mouse Copier
- ◇ Switch Scanner
- ◇ For Direct Board
- ◇ Floppy disk driver
- ◇ Non-contact Switching

Ordering Information

Part Number	Package	Shipping Quantity
TP880	DIP-4	100 pcs / Bag , 500pcs / Box

Absolute Maximum Ratings (T_A=25°C)

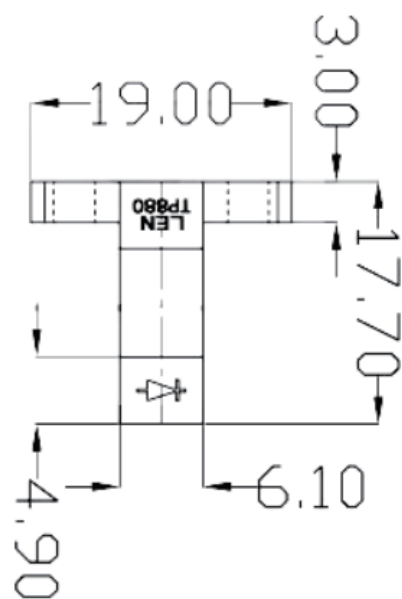
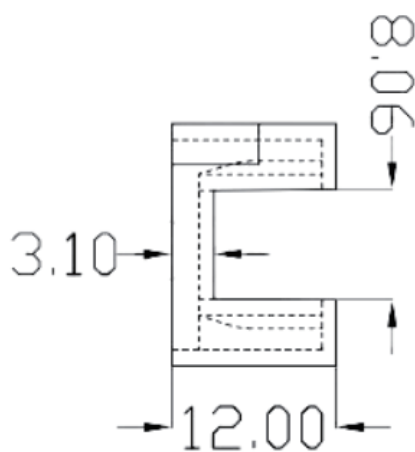
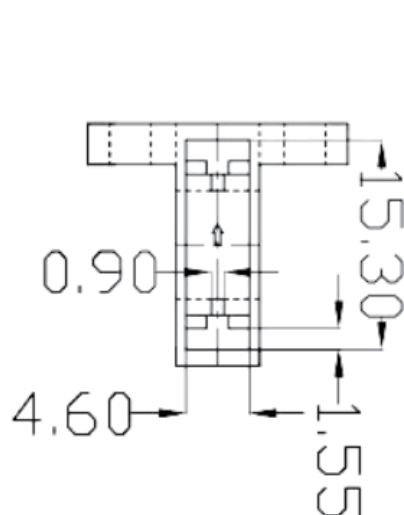
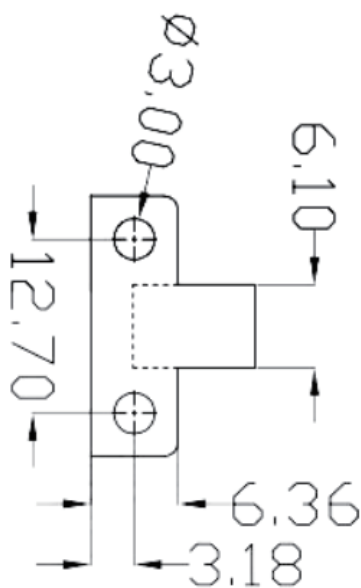
Parameter		Symbol	Ratings	Unit
Input	Power Dissipation at(or below) 25°C Free Air Temperature	P _D	75	mW
	Reverse Voltage	V _R	5	V
	Forward Current	I _F	50	mA
Output	Collector Power Dissipation	P _C	50	mW
	Collector-Emitter Voltage	B V _{CEO}	25	V
	Emitter-Collector Voltage	B V _{ECO}	5	V
Operating Temperature		T _{OPR}	-20 ~ +65	°C
Storage Temperature		T _{STG}	-30 ~ +75	°C

Electro-Optical Characteristics (T_A=25°C)

Parameter		Symbol	Conditions	Min	Typ	Max	Unit
Input	Forward Voltage	V _F	I _F =20mA		1.25	1.5	V
	Reverse Current	I _R	V _R =3V			10	μA
Output	Dark Current	I _{CEO}	V _{CE} =20V			1	μA
	Light Current	I _L	V _{CE} =5V, I _F =8mA	0.25			mA
	C-E Saturation Voltage	V _{CE(sat)}	I _F =8mA, I _C =0.5mA			0.4	V
Transfer	Rise Time	T _R	I _F =20mA, V _{CE} =5V R _C =100Ω		10		μsec
	Fall Time	T _F			10		μsec
	Transmission Ratio	CTR	I _F =10mA, V _{CE} =10V	10			%

Package Dimensions

DIP-4



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