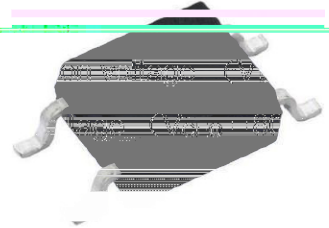


## 1. Features

● Current transfer ratio(CTR : MIN. 50% @ I<sub>C</sub> = 50mA, V<sub>CE</sub> = 5V, T<sub>a</sub> = 25°C)

● High input -output isolation voltage (V<sub>iso</sub>=3.750Vrms)

Input Voltage: 60V



● High input impedance

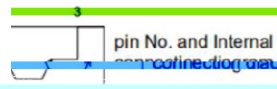
● High output impedance

● High common mode voltage (CMV), RE isolation

● SMD package

## 2. Instructions

● The OR-357 series device consists of an infrared led, photo transistor detector.



They are able to be saturated by a 4 pin SMD pin.

● Pin pitch of OR-357 is 2.54mm

### 3. Application

● Infrared heat meters that consume high density mounting.

● Programmable controllers

● System applications, machine line indicators

## 4. ELECTRICAL CHARACTERISTICS (T<sub>a</sub> = 25°C)

Symbol	Parameter	Typical Value		Max. Value	
		Unit	Value	Unit	Value
I <sub>C</sub>	Rated Current	50	mA	100	mA
	Storage Temperature	-40	°C	125	°C
V <sub>CE</sub>	Reverse Voltage	5	V	5	V
	Collector Voltage	5	V	5	V
P <sub>C</sub>	Consume Power	70	mW	70	mW
	Power	70	mW	70	mW
V <sub>iso</sub>	Collector-emitter Voltage	3.75	Vrms	3.75	Vrms
	Collector-emitter Voltage	3.75	Vrms	3.75	Vrms
P <sub>C</sub>	Consume Power	150	mW	150	mW
	Power	150	mW	150	mW
V <sub>iso</sub>	Collector-emitter Voltage	3.75	Vrms	3.75	Vrms
	Collector-emitter Voltage	3.75	Vrms	3.75	Vrms
T <sub>stg</sub>	Storage Temperature	-40	°C	125	°C
	Storage Temperature	-40	°C	125	°C
T <sub>op</sub>	Operating Temperature	-40	°C	125	°C
	Operating Temperature	-40	°C	125	°C
T <sub>sol</sub>	Soldering Temperature	260	°C	260	°C
	Soldering Temperature	260	°C	260	°C





6. Rank table of current transfer ratio CTR (tolerance:±3%)

CTR	200	400
C	200	400
D	500	500

IF=0.1mA, V<sub>CE</sub>=5V, I<sub>CE</sub>=1mA

7. Order Information

ORDER CODE

Y = 'V' code for VDE safety (This options is not necessary).

Z = 'G' code for Halogen free .

\* VDE Code can be selected.

Option	Description	Packing quantity
TP	Surface mount lead form (low profile) + TP tape & reel option	3000 units per reel
TP1	Surface mount lead form (low profile) + TP1 tape & reel option	3000 units per reel