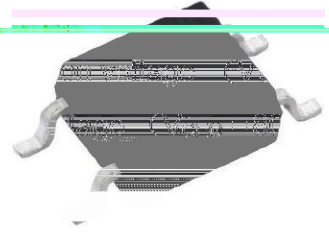


1. Features

● Current transfer ratio(CTR : MIN. 50% @ I_E = 50mA, V_{CE} = 5V, T_a = 25°C)

● High input -output isolation voltage (V_{iso}=3.750Vrms)

Input Voltage: 60V



● High input impedance

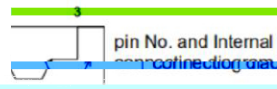
● High output impedance

● High common mode voltage (CMV), RE isolation

● S (Class 1)

2. Instructions

- 1. The OR-357 series device consists of an infrared led, photo transistor detector, they are able to be saturated by a 4 pin SMD part.
- 2. 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_a = 25°C unless otherwise specified)

Symbol	Parameter	Unit	Typical		Max	
			Min	Max	Min	Max
I _E	Emitter Current	mA	50	100	50	100
	Storage Temperature	°C	-55	150	-55	150
V _{CE}	Collector Voltage	V	5	5	5	5
	Consume Power	P _C	70	70	70	mW
V _{BE}	Collector-emitter Voltage	V	5	5	5	5
	Collector Voltage and collector Voltage	V _{CE}	5	5	5	5
I _C	Collector Current	mA	50	100	50	100
	Consume Power	P _C	150	150	150	mW
P _{tot}	Power	mW	70	70	70	mW
	Voltage	V _{iso}	3.75	3.75	3.75	V
T _{stg}	Storage Temperature	°C	-55	150	-55	150
	Operating Temperature	T _{op}	-55	150	-55	150
T _{amb}	Storage Temperature	°C	-55	150	-55	150
	Operating Temperature	T _{op}	-55	150	-55	150
T _{sol}	Storage Temperature	°C	-55	150	-55	150
	Operating Temperature	T _{op}	-55	150	-55	150



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

C	200	400	
D	800	800	

IF=0.1mA, V_{CE}=5V, I_{CE}=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