1. Features

- Current transfer ratio(CTR : MIN. 50% at I_F = 5mA, V_{CE} = 5V Ta=25℃)
- High input -output isolation voltage （V_{ISO}=3,750Vrms）
- [illegible] (V_{CEO}=80V)
- [illegible] package
- [illegible]
- [illegible] compliance [illegible] RoHS, [illegible] REACH [illegible] standards
- [illegible]

2. [illegible]

[illegible] OR-357 series device consists of an infrared led, photo transistor detector, [illegible]

[illegible]

[illegible] OR-357 [illegible]

3. [illegible]

[illegible] density mounting.

[illegible]

[illegible] system appliance, measuring instruments

4. [illegible] Temperature [illegible]

Input	Forward Current	I_F	[illegible]	mA
	Junction Temperature	T_J	[illegible]	℃
	Reverse Voltage	V_R	[illegible]	V
	[illegible]	P_D	70	mW
Output	Collector-emitter voltage	V_{CEO}	80	V
	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
Consume Power		P_C	150	mW
[illegible]		[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	Vrms
[illegible]		[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	℃
[illegible]		[illegible]	[illegible]	[illegible]

*1. AC Test, 1 minute, humidity = 40~60%
Insulation test method as below:
(1) Short circuit both terminals of photo coupler.
(2) No Current when testing insulationvoltage.
(3) Adding sine wave voltage when testing.
*2. soldering time is 10 seconds.

5. Opto-electronic Characteristics

Parameter		Symbol	Min	Typ.*	Max	Unit	Condition
Input	Forward Voltage	V_F	---	1.2	1.4	V	I_F=20mA
	Reverse Current	I_R	---		5	μA	V_R=5V
	Collector capacitance	C_t	---	30	250	pF	V=0, f=1KHz
	Collector to emitter Current	I_{CEO}	---	---	100	nA	V_{CE}=50V, I_F=0mA
	[illegible]	BV$_{CEO}$	80	---	---	V	I_C=0.1mA I_F=0mA
	[illegible]	BV$_{ECO}$	7	---	---	V	I_E=0.1mA I_F=0mA
	*1 Current [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*1 Current conversion [illegible]
	Collector Current	I_C	2.5	[illegible]	[illegible]	mA	Collector Current [illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] I_C= 1mA
Characteristics	Insulation impedance	R_{iso}	5×10^{10}	1×10^{11}	---	Ω	DC500V 40~60%R.H.
	Floating capacitance	C	[illegible]	0.6	1	pF	V=0, f=1MHz
	[illegible]	t_r	---	4	18	μs	V_{CC}=2V, I_C=2mA, R_L=100Ω
	[illegible]	t_f	---	3	18	μs	