

Features

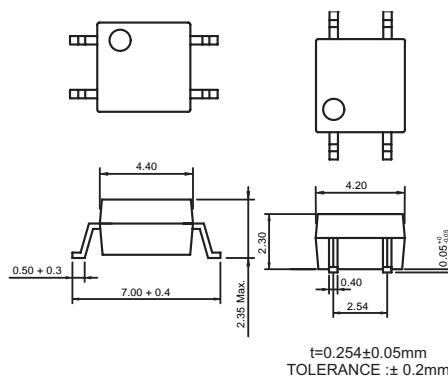
1. AC inputs.
2. Opaque type, SOP package.
3. Subminiature type. (The volume is smaller than that of our conventional DIP type by as far as 30%)
4. Isolation voltage between input and output.
(Viso: 3750VRMS)

Part Numbering System: Page 2. **Part Marking System:** Page 4.

Applications

1. Hybrid substrates that require high density mounting.
2. Programmable controllers.

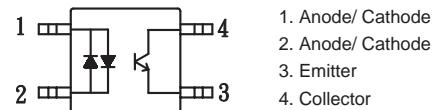
Outside Dimension: Unit (mm)



Classification table of current transfer ratio is shown below.

RANK MARK	CTR(%)
A	50 TO 150
B	20 TO 400

Schematic: Top View



Absolute Maximum Ratings

(Ta=25°C)

Parameter	Symbol	Rating	Unit
Input	If	± 50	mA
	Ifm	± 1	A
	P	70	mW
Output	VCEO	60	V
	VECO	5	V
	Ic	50	mA
	Pc	150	mW
Total	Ptot	170	mW
	Viso	3750	VRMS
	Topr	-30 to +100	°C
	Tstg	-40 to +125	°C
	Tsol	260	°C

Electro-optical Characteristics

(Ta=25°C)

Parameter	Symbol	Conditions	MIN.	TYP.	MAX.	Unit
Input	Vf	If =± 20mA	—	1.2	1.4	V
	Ct	V =0, f=1kHz	—	30	250	pF
Output	ICEO	Vce =20V, If=0	—	—	0.1	uA
	BVCEO	Ic =0.1mA, If=0	60	—	—	V
	BVECO	Ie =100uA, If=0	5	—	—	V
Transfer characteristics	CTR	If =± 1mA, Vce=5V	20	—	400	%
	Vce (sat)	If =± 20mA, Ic=1mA	—	0.1	0.3	V
	Riso	DC500V,40 to 60%RH	5X10 ¹⁰	10 ¹¹	—	ohm
	Cf	V =0, f=1MHz	—	0.6	1.0	pF
	tr	Vce =2V, Ic =2mA, RL =100ohm	—	4	18	us
	tf		—	3	18	us

