

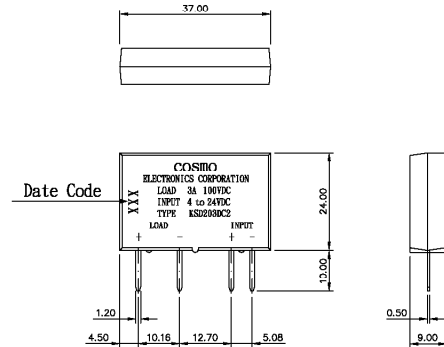
**Features**

1. Molded epoxy body.
2. High input/output insulation.
3. Small size and light weight.
4. Can be installed directly on the P.C. board.
5. Fast reactive speed.
6. Normally open.

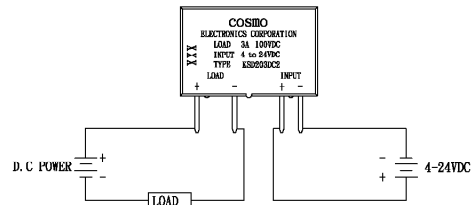
**Applications**

1. Household Appliances.
2. Temperature Control System.
3. Industrial Automatic Control.
4. Lighting System.
5. Office Appliances.
6. Factory Appliances.

**Outside Dimension : Unit (mm)**



**Schematic : Top View**



**Absolute Maximum Ratings**

(Ta=25°C)

Parameter	Symbol	Rating	Unit
Input	Input Signal Voltage	V <sub>IN</sub>	4-24
	Drop-out Voltage	V <sub>do</sub>	1
Output	Output Power Dissipation	P <sub>c</sub>	30
	Collector Voltage	V <sub>CEO</sub>	100
	Output Current	I <sub>o</sub>	3
	Peak Surge Current 50 μs	I <sub>surge</sub>	9
Isolation Voltage	V <sub>iso</sub>	4000	V <sub>rms</sub>
Operating Temperature	T <sub>opr</sub>	-30~100	°C
Storage Temperature	T <sub>stg</sub>	-30~125	°C
Soldering Temperature 10 Sec	T <sub>sol</sub>	260	°C

**Electrical Characteristics**

(Ta=25°C)

Parameter	Symbol	Conditions	MIN	TYP	MAX	Unit
Input	Pick-up Voltage	V <sub>pu</sub>			4	VDC
	Input Current	I <sub>in</sub>	V <sub>in</sub> =4-24V		25	mA
	Terminal Capacitance	C <sub>T</sub>	V=0, f=1KHz		30	pF
Output	Collector-emitter breakdown voltage	BV <sub>CEO</sub>	I <sub>F</sub> =0	100		
	Output Leak Current	I <sub>leak</sub>	I <sub>F</sub> =0, V=100V		1.5	μA
Collector Current	I <sub>c</sub>	I <sub>F</sub> =1mA, V <sub>CE</sub> =2V	0.05		3	A
Collector-Emitter Saturation Voltage	V <sub>CE (sat)</sub>	I <sub>F</sub> =20mA, I <sub>c</sub> =100mA			1.5	V
Isolation Resistance	R <sub>iso</sub>	DC500V	10 <sup>10</sup>			Ω
Floating Capacitance	C <sub>r</sub>	V=0, f=1MHz			3	pF
Cut-Off Frequency	F <sub>c</sub>	V <sub>CE</sub> =2V, I <sub>c</sub> =200mA, R <sub>L</sub> =100Ω	2			KHz
Response Time ( Rise )	T <sub>r</sub>	V <sub>CE</sub> =2V, I <sub>c</sub> =20mA			500	μS
Response Time ( Fall )	T <sub>f</sub>	R <sub>L</sub> =100Ω			200	μS

