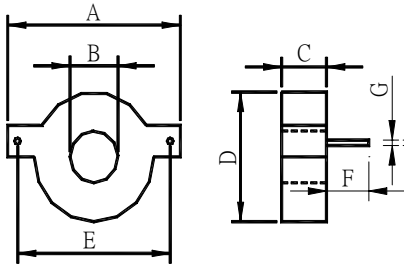
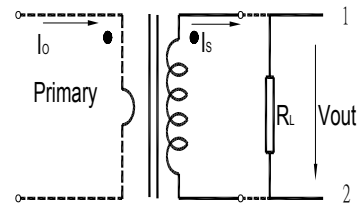


# ZTC02 Series



## Test Circuit



| Electrical Characteristic |        |           |       |          |                | Mechanical Dimension |                    |                     |                     |                     |                    |                    |
|---------------------------|--------|-----------|-------|----------|----------------|----------------------|--------------------|---------------------|---------------------|---------------------|--------------------|--------------------|
| Part No.                  | $I_R$  | $V_{out}$ | $I_0$ | $R_L$    | DCR            | A(max)               | B(max)             | C(max)              | D(max)              | E(±3)               | F(±1)              | G(±0.1)            |
|                           | A      | mV        | mA    | $\Omega$ | $\Omega$ (max) | mm / inch            |                    |                     |                     |                     |                    |                    |
| ZTC02-24-150-1            | 15(30) | 8.0       | 11.25 | 1K       | 49             | $\frac{24.21}{0.95}$ | $\frac{6.8}{0.27}$ | $\frac{6.85}{0.27}$ | $\frac{16.7}{0.66}$ | $\frac{20.2}{0.80}$ | $\frac{3.5}{0.14}$ | $\frac{0.8}{0.03}$ |

**Overinput property :**  $V=(V_0-V_0')/V_0*100\%$

$V_0$  is the normal output voltage while feeding assigned leakage current  $I_{0U}$ .

$V_0'$  is the output voltage after overinput.

At that time feeding a direct current  $I_{DC}$  which value is equal to corresponding rated current.

**Temperature property :**  $T=[V_0(T_0)-V_0'(T)]/V_0(T_0)*100\%$

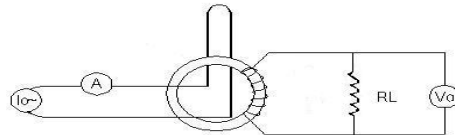
$V_0(T_0)$  is the normal output voltage at 25°C while feeding assigned leakage current  $I_0$ .

$V_0'(T)$  is the output voltage at some temperature from -10°C up to 80°C under the same feeding condition.

### Application:

- 1.Heater
- 2.Over Current Sensor
- 3.Earth leakage breaker
- 4.Ground fault circuit interrupter
- 5.Residual current circuit breaker
- 6.U.P.S. (Uninterrupted Power System)
- 7.Protection of Inverter (Air Conditioner etc)
- 8.Application leakage circuit interrupter
- 9.E.O.C.R. (Electronic Over Current Relay)
- 10.Motor Control (Motor Pump,Heat Control)

### ZCT Unbalance Test



### Definition:

$I_R$  : Rated Current

$I_0$  : Detecting Current

$R_L$  : Load Resistance.

$V_{out}$  : Output Voltage

DCR: Secondary Winding DC Resistance.

### Remark:

1. Frequency band :50Hz~60Hz.
2. Operating temperature: -25°C~80°C.
3. RoHS compliant.
4. Hi-Pot: 2500V<sub>RMS</sub>/1min between windings.
5. Product parts meet UL requirements.