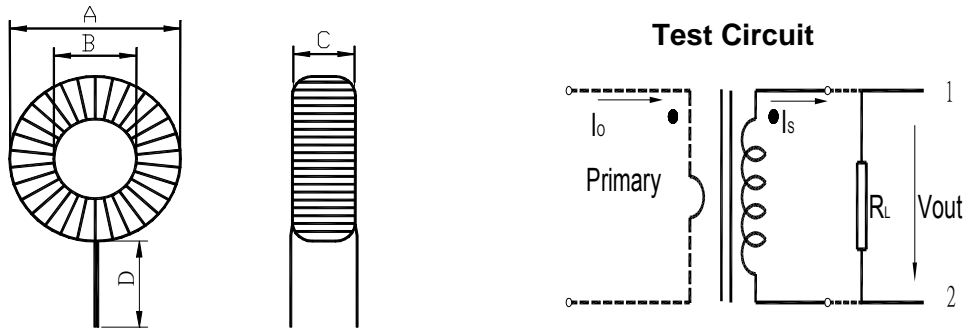


# ZTC01 Series



Electrical Characteristic						Mechanical Dimension			
Part No.	$I_R$	$V_{out}$	$I_0$	$R_L$	DCR	A(max)	B(max)	C(max)	D(max)
	A	mV	mA	$\Omega$	$\Omega(max)$	mm / inch			
ZTC01-16-150-1	15(30)	8	11.25	1K	41	$\frac{16.2}{0.64}$	$\frac{8.0}{0.32}$	$\frac{4.6}{0.18}$	$\frac{87(\pm 3)}{3.43}$

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

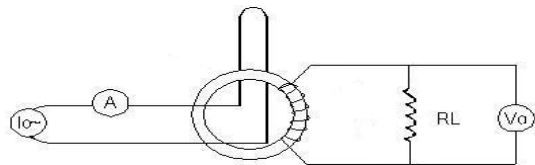
$V_0(T_0)$  is the normal output voltage at 25°C while feeding assigned leakage current  $I_0$ .

$V_0'(T)$  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.