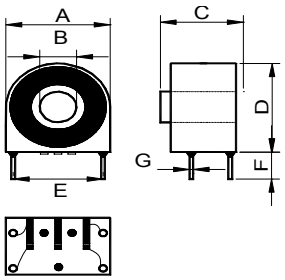
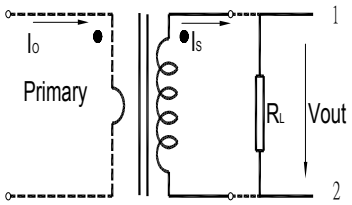
# ZTU01 Series




**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 | Ω | Ω(max) | mm / inch | | | | | | |
| ZTU01-16-150-1 | 15(30) | 7.5 | 11.25 | 1K | 36 | 16.9<br>0.67 | 5.7<br>0.23 | 12.45<br>0.49 | 17.2<br>0.68 | 15<br>0.59 | 4.0<br>0.16 | 0.80<br>0.03 |

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

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

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

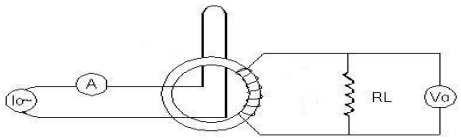
**$V_0(T_0)$ is the normal output voltage at 25℃ while feeding assigned leakage current $I_0$.**

**$V_0'(T)$ is the output voltage at some temperature from -10℃ up to 80℃ 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.**
**Vout : Output Voltage**
**DCR: Secondary Winding DC Resistance.**

## Remark:

**1. Frequency band :50Hz~60Hz.**
**2. Operating temperature: -25℃~80℃.**
**3. RoHS compliant.**
**4. Hi-Pot: 2500$V_{RMS}$/1min between windings.**
**5. Product parts meet UL requirements.**