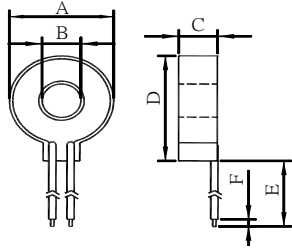
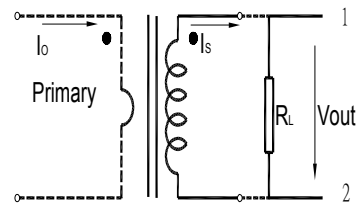


ZTC05 Series



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)
	A	mV	mA	Ω	Ω(max)	mm / inch					
ZTC05-17-150-1	15(30)	8.0	11.25	1K	51	$\frac{17.11}{0.67}$	$\frac{6.90}{0.27}$	$\frac{7.95}{0.31}$	$\frac{19.21}{0.76}$	$\frac{60}{2.36}$	$\frac{4.0}{0.16}$
ZTC05-22-300-1	30(50)	8.0	11.25	1K	36	$\frac{22.11}{0.87}$	$\frac{9.2}{0.36}$	$\frac{7.55}{0.30}$	$\frac{25.61}{1.01}$	$\frac{60}{2.36}$	$\frac{4.0}{0.16}$
ZTC05-24-500-1	50(70)	8.0	11.25	330	40	$\frac{24.11}{0.95}$	$\frac{10.45}{0.41}$	$\frac{9.4}{0.37}$	$\frac{26.51}{1.04}$	$\frac{100}{3.94}$	$\frac{4.0}{0.16}$
ZTC05-30-101-1	100(125)	8.0	11.25	330	45	$\frac{30.21}{1.19}$	$\frac{15.0}{0.59}$	$\frac{9.5}{0.38}$	$\frac{32.41}{1.28}$	$\frac{100}{3.94}$	$\frac{4.0}{0.17}$

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)

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_{RMS}/1min between windings.
5. Product parts meet UL requirements.

ZCT Unbalance Test

