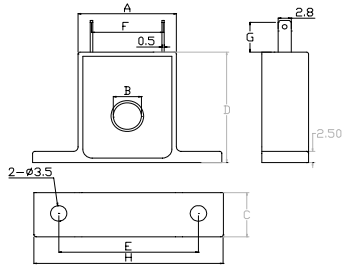
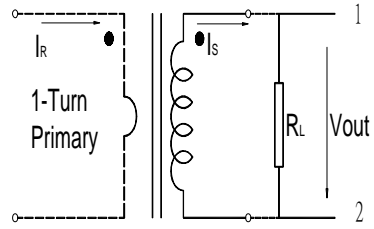


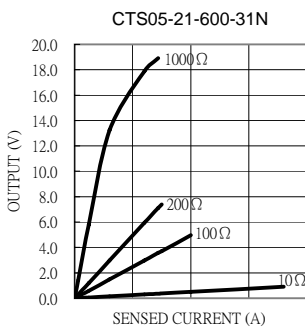
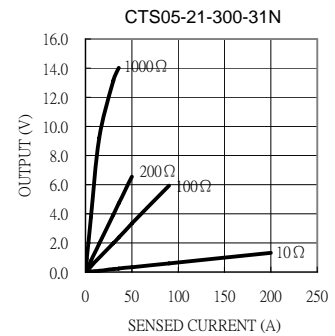
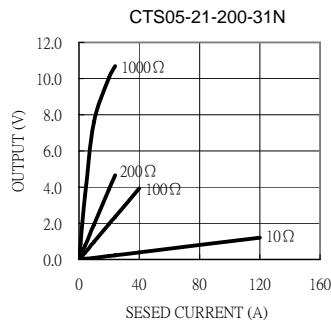
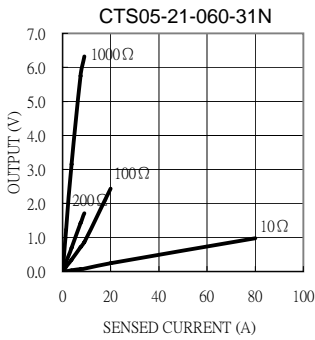
# CTS05-21 Series



**Test Circuit**



Electrical Characteristic										Mechanical Dimension					
Part No.	$I_R$ (A)	$V_{out}$ (V)	Acc.Class (%)	$I_{min}$ (A)	$I_{max}$ (A)	$R_L$ ( $\Omega$ )	$f$ (%)	$\delta$ ( $^{\circ}$ )	DCR ( $\Omega$ )	A(max)	B(max)	C(max)	D(max)	E(max)	F(max)
										mm / inch					
CTS05-21-060-31N	0.02~6	0.715	3	0.02	30	100	-2.159	126.7	35	21.06 0.83	6.12 0.24	10.2 0.41	25.21 0.99	30.2 1.19	15.36 0.61
CTS05-21-200-31N	0.01~20	1.96	3	0.01	45	100	-0.550	40.0	43						
CTS05-21-300-31N	0.015~30	1.979	1	0.015	95	100	-0.810	38.0	67						
CTS05-21-600-31N	0.02~60	2.983	1	0.02	120	100	-0.626	20.99	142						



**Definition:**

- $I_R$  : Rated Current
- $V_{out}$ : Output voltage.
- Acc.Class: Accuracy class.
- $I_{min}$ : Min. detecting current which remains linearity.
- $I_{max}$ : Max. detecting current which remains linearity.
- $R_L$  : Load resistance.
- $f(\%)$ : Ratio error.
- $\delta(\text{'})$ : Phase shift.
- DCR: Secondary Winding DC Resistance.

**Remark:**

1. Frequency band :50Hz~60Hz.
2. Operating temperature: -25 $^{\circ}$ C~80 $^{\circ}$ C.
3. All current ,voltage refer to rms value.
4. RoHS compliant.
5. Hi-Pot: 2500V<sub>RMS</sub>/1min between windings.
6. Formula of 2nd output : $V_{out}=I_R \cdot R_L / N(\text{Turns})$ .
7. Product parts meet UL requirements.