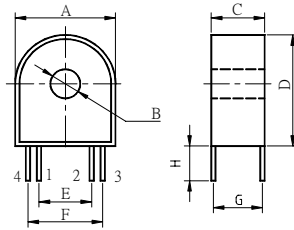
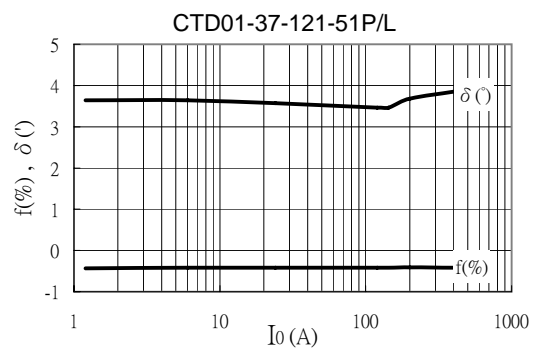
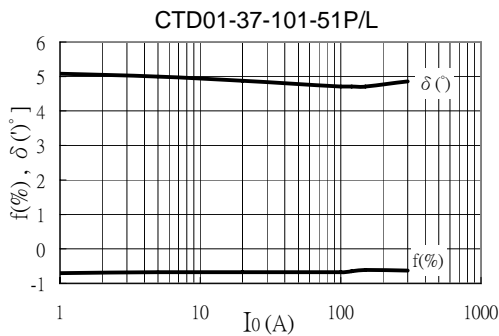


## CTD01-37 Series



Part No.	Primary Current range			Error Tolerances		Values at output				Mechanical Dimension							
	$I_0$ (A)	$I_{max}$ (A)	$\hat{I}_{max}$ (A)	$\delta$ (')	$f$ (%)	$R_L$ ( $\Omega$ )	DCR( $\Omega$ )	L(mH)	$V_{out}$ (V)	A(max)	B(max)	C(max)	D(max)	E(max)	F(max)	G(max)	H( $\pm 1$ )
	mm / inch																
CTD01-37-101-51P	1.0~100	325	116	3.33	0.425	7.5	48.6	2.97	0.3								
CTD01-37-101-51L	1.0~100	325	116	3.33	0.425	7.5	48.6	2.97	0.3	37.65	13.00	14.30	39.05	25.50	33.00	13.20	6.00
CTD01-37-121-51P	1.0~120	420	110	3.46	-0.416	6.25	34.7	2.0	0.3	1.48	0.51	0.56	1.54	1.00	1.30	0.52	0.24
CTD01-37-121-51L	1.0~120	420	110	3.46	-0.416	6.25	34.7	2.0	0.3								

### Typical characteristics for Ratio error and Phase shift at room temperature



#### Remark:

1. Frequency band :50Hz~60Hz.
2. Operating temperature: -25°C~80°C.
3. All current ,voltage refer to rms value.
4. RoHS compliant.
5. Hi-Pot: 2500V<sub>RMS</sub>/1min between windings.
6. Product parts meet UL requirements.
7. Product for direct connection with DC-Immune in accordance with IEC 61036.

#### Definition:

$f$ (%) : Ratio error.

$\delta$ ( ' ) : Phase shift.

$I_0$  : Input current.

$V_{out}$  : Output Voltage.

$R_L$  : Loaded Resistances.

DCR: Secondary Winding DC Resistance.

$I_{max}$ : Max. detecting current which remains linearity.

$\hat{I}_{max}$  : Max. half rectified DC amplitude w/o saturation for class-1-counters IEC 61036.IE.,  $f(I_{max}) < 3\%$