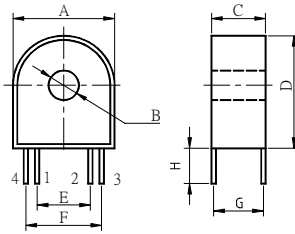
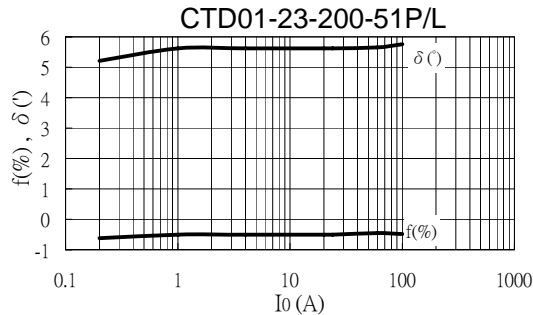


## CTD01-23 Series



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																
CTD01-23-200-51P	0.25~20	105	44	5.625	-0.50	37.5	89.3	4.15	0.3	23.71	6.9	11.3	25.21	15.40	19.10	9.90	6.00
CTD01-23-200-51L	0.25~20	105	44	5.625	-0.50	37.5	89.3	4.15	0.3	0.93	0.27	0.45	0.10	0.61	0.75	0.39	0.24

### 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.,  $f(I_{max}) < 3\%$