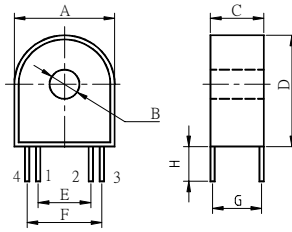
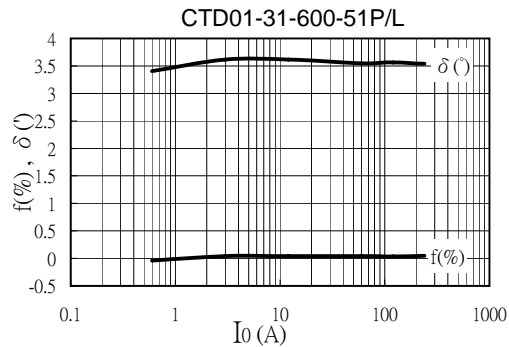


CTD01-31 Series



Part No.	Primary Current range			Error Tolerances		Values at output				Mechanical Dimension							
	I_0 (A)	I_{max} (A)	\hat{I}_{max} (A)	δ (')	f (%)	R_L (Ω)	DCR(Ω)	L(mH)	V_{out} (V)	A(max)	B(max)	C(max)	D(max)	E(max)	F(max)	G(max)	H(± 1)
	mm / inch																
CTD01-31-600-51P	0.5~60	255	70	3.543	0.041	12.5	53.8	2.81	0.3	31.50	9.20	14.40	31.60	20.00	24.00	10.30	6.00
CTD01-31-600-51L	0.5~60	255	70	3.543	0.041	12.5	53.8	2.81	0.3	1.24	0.36	0.57	1.24	0.79	0.95	0.41	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_{RMS}/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.

δ (') : 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., $f(I_{max}) < 3\%$