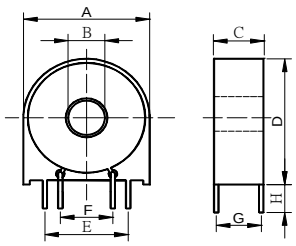
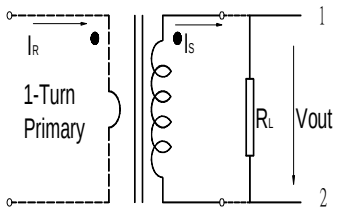
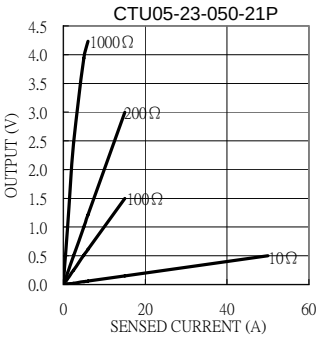
CTU05-23 Series

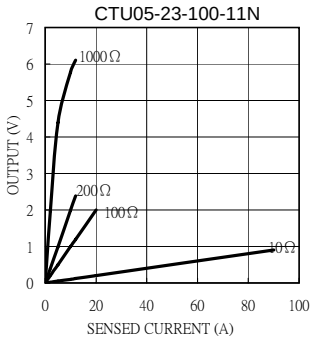


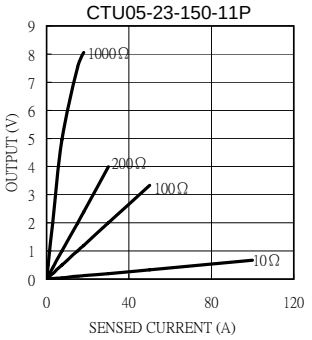
Test Circuit

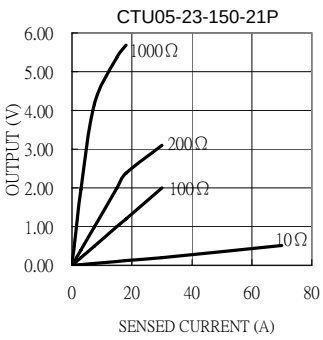


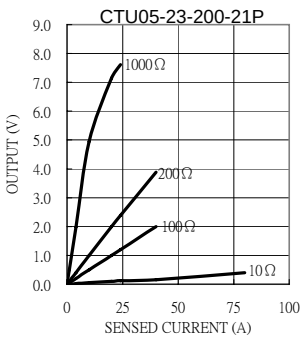
Electrical Characteristic										Mechanical Dimension							
Part No.	IR (A)	Vout (V)	Acc.Class (%)	Imin (A)	Imax (A)	RL (Ω)	*f* (%)	δ (')	DCR (Ω)	A(max)	B(max)	C(max)	D(max)	E(max)	F(max)	G(max)	H(±1)
										mm / inch							
CTU05-23-050-21P	0.025~5	0.999	0.2	0.025	15	100	-0.06	10.0	42	23.71 / 0.93	7.0 / 0.28	12.8 / 0.50	27.81 / 1.10	19.21 / 0.76	15.1 / 0.60	11.2 / 0.44	5.0 / 0.20
CTU05-23-100-11N	0.01~10	0.999	0.5	0.01	20	100	-0.07	8.2	42								
CTU05-23-150-11P	0.03~15	0.999	0.2	0.03	50	100	-0.09	7.7	63								
CTU05-23-150-21P	0.03~15	0.999	0.2	0.03	30	100	-0.19	3.0	63								
CTU05-23-200-21P	0.1~20	1.993	0.2	0.1	40	100	-0.13	4.0	120								
CTU05-23-250-21P	0.1~25	1.000	0.1	0.1	45	100	-0.03	5.0	142								
CTU05-23-300-11P	0.05~30	1.993	0.2	0.05	60	100	-0.03	3.9	142								
CTU05-23-300-12P	0.1~30	1.499	0.2	0.1	60	100	-0.04	2.9	120								
CTU05-23-400-31N	0.05~40	3.592	3	0.05	90	100	-1.20	37.5	32								
CTU05-23-500-31N	0.2~50	2.504	0.5	0.2	100	100	0.10	30.0	109								
CTU05-23-600-31N	0.3~60	4.002	1	0.3	120	100	-0.69	21.3	86								
CTU05-23-750-31N	0.25~75	2.987	1	0.25	165	100	0.21	15.3	241								

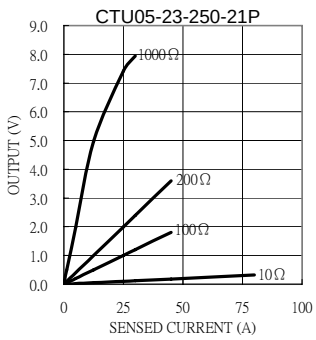






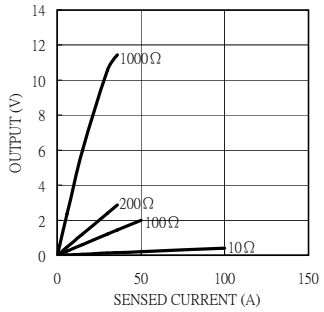




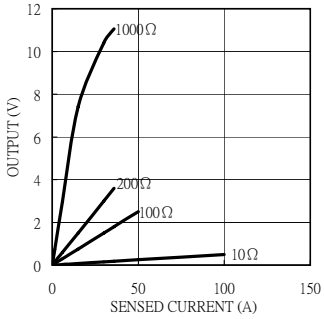


CTU05-23 Series

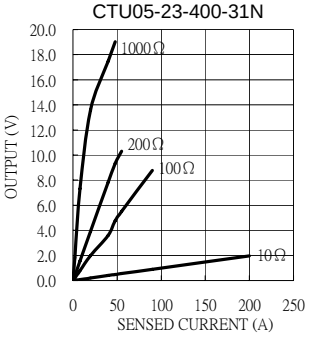
CTU05-23-300-11P



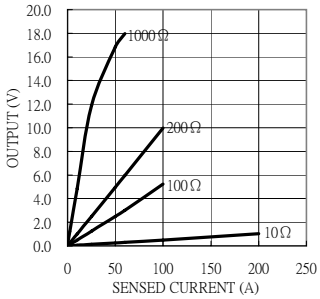
CTU05-23-300-12P



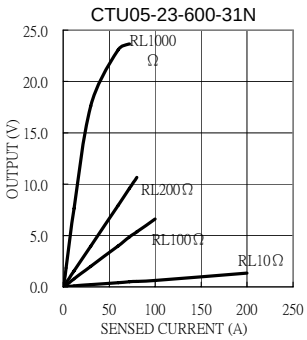
CTU05-23-400-31N



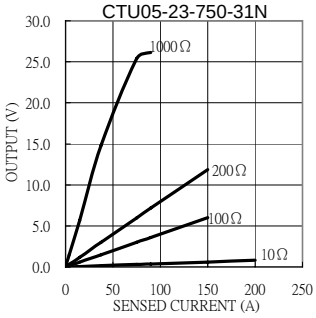
CTU05-23-500-31N



CTU05-23-600-31N



CTU05-23-750-31N



Definition:

I_R : Rated Current
Vout: Output voltage.
Acc.Class: Accuracy class.
Imin: Min. detecting current which remains linearity.
Imax: Max. detecting current which remains linearity.
R_L : Load resistance.
f(%): Ratio error.
δ('): Phase shift.
DCR: Secondary Winding DC Resistance.

Remark:

1. **Frequency band :50Hz~60Hz.**
2. **Operating temperature: -25℃~80℃.**
3. **All current ,voltage refer to rms value.**
4. **RoHS compliant.**
5. **Hi-Pot: 2500V_{RMS}/1min between windings.**
6. **Formula of 2nd output :Vout=I_R*R_L / N(Turns).**
7. **Product parts meet UL requirements.**