



Commercial Current Transformer



Application

- Electronic over current relay
- Electric motor protection relay
- Motor, heater control
- Commercial protection relay

Features

- Low cost approach
- Current monitoring & sensing
- High saturation induction
- Dielectric withstanding of 2.0KV-4.0KV/min
- RoHS compliant

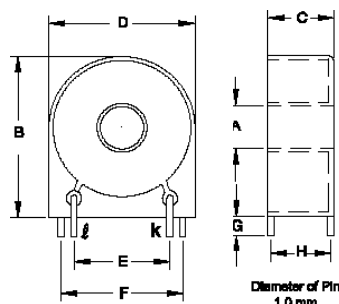
Standard tolerance : $\pm 10\%$

Current rating & Burden

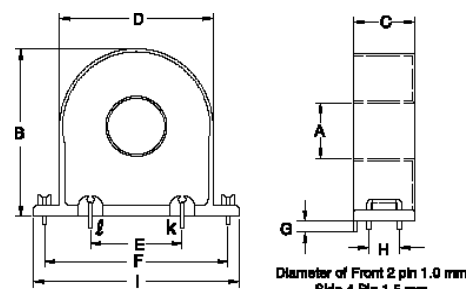
(f=60Hz, Rb=1, PF=1.0, unit : percent)

Model No	Current Ratio	DCR ($\pm 6\%$)	Tolerance	I _{max}	
				Rb = 20	Rb = 500
TX1PV	1000 : 1	62	$\pm 10\%$	40A	4A
TX1V/L	1000 : 1	74	$\pm 10\%$	100A	7A
TX2V/L	1000 : 1	41	$\pm 10\%$	50A	3A
TX3L	1000 : 1	33	$\pm 10\%$	80A	5A
TX4V/L	1000 : 1	19	$\pm 10\%$	265A	17A
TX5V/L	1000 : 1	12	$\pm 10\%$	365A	18A

Drawing

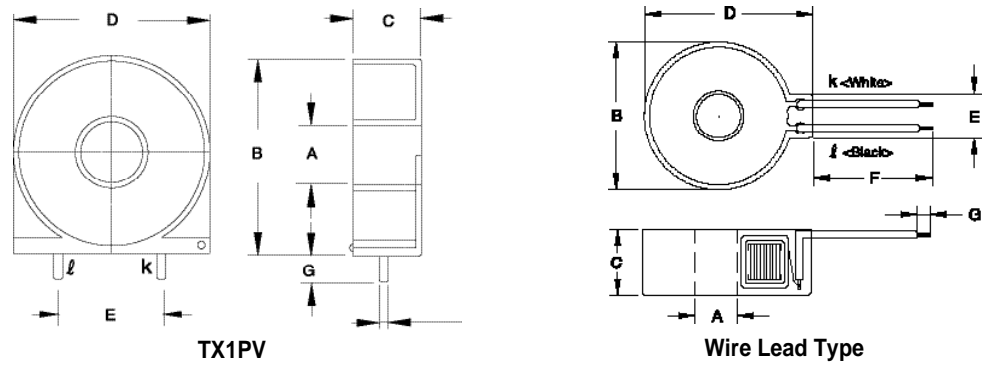


PCB Mountable Type



TX5V





Dimension

PCB Mountable type

(unit : mm/inch)

Model No	A(min)	B(max)	C(max)	D(max)	E(±0.3)	F(±0.3)	G(±0.5)	H(±0.3)	I
TX1PV	5.7 0.224	19.2 0.756	8.2 0.323	19.2 0.756	12.7 0.500		4.9±0.1 0.193		
TX1V	6.8 0.268	25.0 0.984	11.0 0.433	23.5 0.925	15.1 0.594	19.1 0.752	3.0 0.118	9.1 0.358	
TX2V	8.9 0.350	27.5 1.083	17.0 0.670	25.3 0.996	15.1 0.594	19.1 0.752	3.0 0.118	15.1 0.594	
TX4V	12.9 0.508	39.3 1.547	14.0 0.551	38.0 1.496	25.2 0.992	32.8 1.291	3.0 0.118	12.1 0.476	
TX5V	18.4 0.724	55.5 2.185	20.3 0.799	50.5 1.988	30.0 1.181	60.0 2.362	4.0 0.157	10.0 0.394	67.6 2.661

Wire lead type

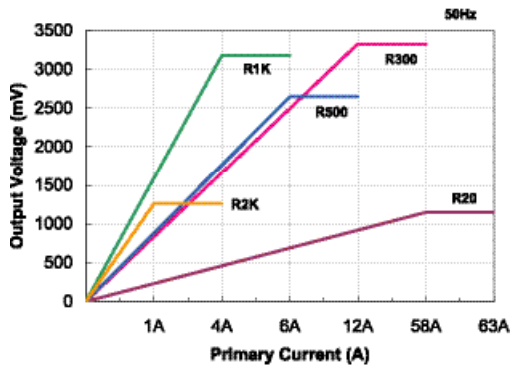
(unit : mm/inch)

Model No	A(min)	B(max)	C(max)	D(max)	E(max)	F(±5.0)	G(±1.0)
TX1L	6.9 0.272	23.6 0.930	11.0 0.433	26.8 1.055	7.1 0.280	120.0 4.724	5.0 0.197
TX2L	9.9 0.390	24.0 0.945	9.0 0.354	27.0 1.063	6.0 0.236	120.0 4.724	5.0 0.197
TX3L	15.6 0.614	30.25 1.191	9.1 0.358	33.8 1.331	6.3 0.248	122.0 4.803	5.0 0.197
TX4L	12.9 0.508	37.5 1.476	14.0 0.551	41.3 1.626	10.3 0.406	120.0 4.724	5.0 0.197
TX5L	19.6 0.772	47.8 1.882	19.2 0.756	52.0 2.047	12.2 0.480	130.0 5.118	5.0 0.197

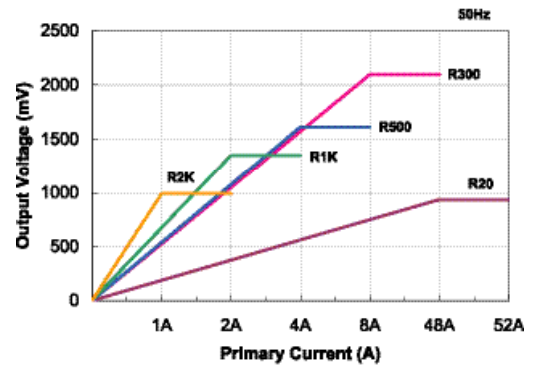


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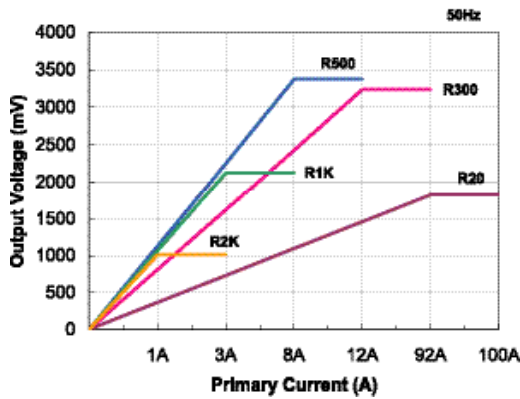
Secondary Burden & Output Voltage Graph



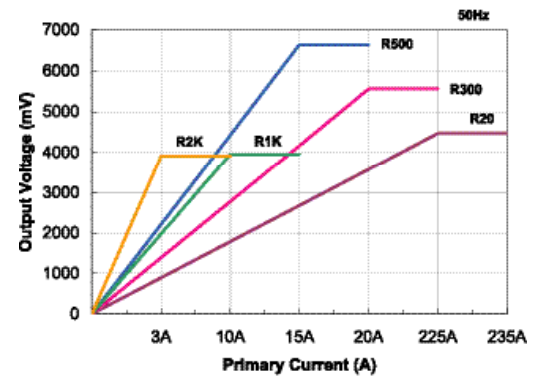
TX1V/L



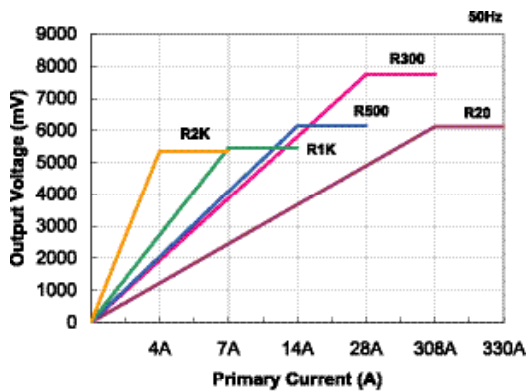
TX2V/L



TX3L



TX4V/L



TX5V/L