

Current Transformers for Measurement

Wound Primary Type Current Transformers For Measurement

The YUANXING TA series Miniature current transformers are designed for applications where AC current signals must be transformed accurately into a lower AC current or voltage signal appropriate for micro-processor based circuits.



The TAXX1X series of PCB Mounted Miniature current transformers are designed specifically for integration into products which require exceptionally accurate primary signal transformation while exposed to harsh environmental operating conditions.

A new TA model can be designed and manufactured to meet the specific design challenges of the client's specific application.

FEATURES

- Low cost
- More than 10 standard sizes
- Non-symmetrical mounting pattern
- Toroidal Silicon steel, Nikel Alloy cores available

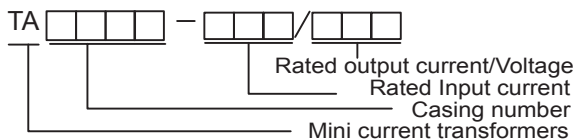
APPLICATIONS

- For applications that require exceptional accuracy with minimal phase angle error
- Applications would include Current, Power and Energy monitoring devices

SPECIFICATIONS

- Exterior Material: PBT Resin UL flame retardant rating 94-V0
- Interior Insulation: Epoxy Encapsulated
- Isolation Voltage: 2500 Vrms for 1 minute
- Dielectric Resistance: 1000M Ohms @500 Vdc
- Surge Withstand: 5000V (1.2/50μs standard shock wave)
- Rated burden: 100K Ohms
- Accuracy Class: as defined in IEC 60044-1 Part 1 Current Transformers Class 0.1
- Operating Temperature: -25 to +55°C, -40 to +85°C Optional
- Frequency: 50 to 400 Hz • RoHS compliant

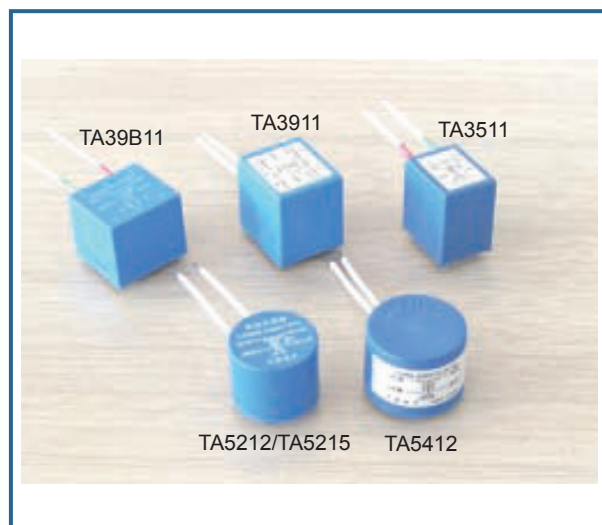
PART NUMBERS



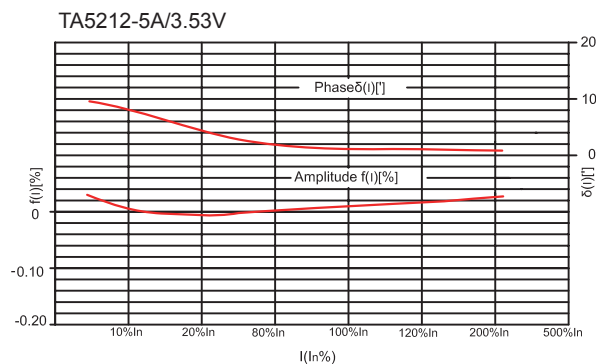
PERFORMANCES

Model	Rated Input/Output	Frequency (Hz)	Accuracy Class	Outline Dimensions (mm)
TA5212	Input: 1, 2, 5, 10, 20A Output: 0.1V, 0.333V...3.53V...7.07V	50 to 400	0.1, 0.2	OD-H 32.0-26.0
TA5215	Input: 1, 2, 5, 10, 20A Output: 0.1V, 0.333V...3.53V...7.07V			L-W-H 32.0-26.0
TA3511	Input: 1, 2, 5, 10, 20A Output: 0.1V, 0.333V...3.53V...7.07V			L-W-H 32.0-25.0-34.0
TA39A11	Input: 1, 2, 5, 10, 20A Output: 0.1V, 0.333V...3.53V...7.07V			L-W-H 35.0-32.0-33.0
TA39B11	Input: 1, 2, 5, 10, 20A Output: 0.1V, 0.333V...3.53V...7.07V			L-W-H 35.0-32.0-30.0
TA5412	Input: 1, 2, 5, 10, 20A Output: 0.1V, 0.333V...3.53V...7.07V			OD-H 37.4-28.0
TA3911	Input: 1, 2, 5, 10, 20A Output: 0.1V, 0.333V...3.53V...7.07V			L-W-H 36.5-31.0-35.0

We can design new model according your requirement



Typical Impedance Dependence of Phase and Amplitude Errors (test temperature 25° C)



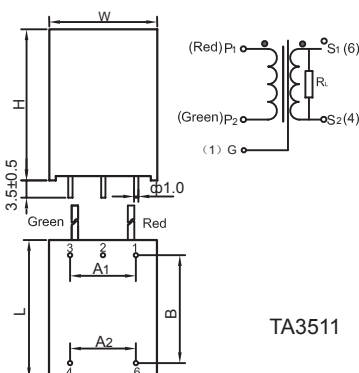
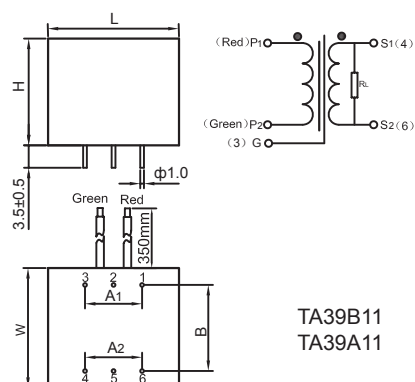
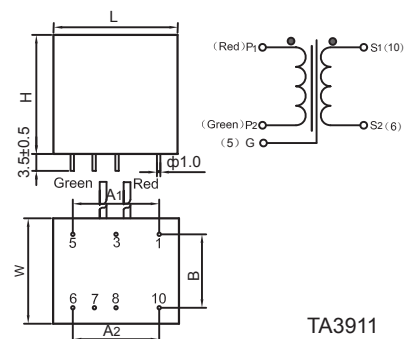
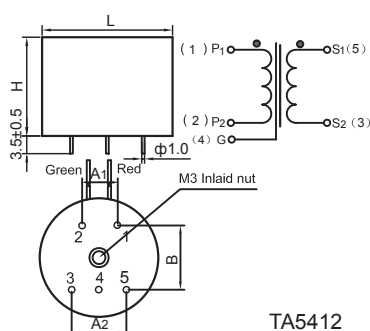
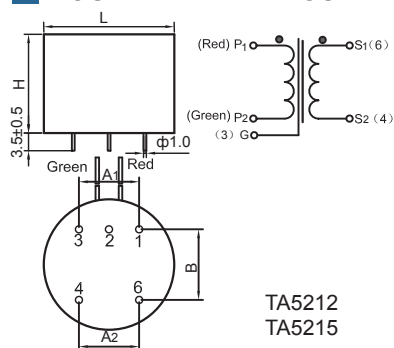
SHANDONG YUANXING Electronics Co.,Ltd.

Phone: +86-533-381-8450
Fax: +86-533-381-8724

NO.39, QIXIN AVENUE, ZHANGDIAN,
ZIBO, SHANDONG, CHINA 255095

www.yuanxing.net
sales@yuanxing.net

OUTLINE DRAWINGS



OUTLINE DIMENSIONS

Unit:mm (inch)

Model	L	W	H	A1	A2	B
TA5212	32.0(1.260)	—	26.0(1.024)	7.62X2(0.3x2)	15.24(0.60)	20.0(0.787)
TA5215	32.0(1.260)	—	26.0(1.024)	7.5X2(0.295x2)	15.0(0.590)	22.5(0.886)
TA3511	32.0(1.260)	25.0(0.984)	35.0(1.378)	7.62X2(0.3x2)	15.24(0.60)	25.4(1.0)
TA39A11	35.0(1.378)	33.0(1.300)	33.0(1.300)	7.5X2(0.295x2)	7.5X2(0.295x2)	22.5(0.886)
TA39B11	35.0(1.378)	32.0(1.260)	30.0(1.181)	7.5X2(0.295x2)	7.5X2(0.295x2)	22.5(0.886)
TA5412	37.4(1.472)	—	28.0(1.102)	10.16(0.40)	20.32(0.80)	20(0.787)
TA3911	36.5(1.437)	31.0(1.220)	35.0(1.378)	10.16X2(0.4x2)	10.16X2(0.4x2)	25.4(1.0)