

Current Transformers for Measurement

The GREWIN GWTA series Miniature current transformers are designed for applications where AC current signals must be transformed accurately into a

Wound Primary Type Current Transformers For Measurement

over AC current or voltage signal appropriate for micro-processor based circuits.

The TXXX1X 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, Nickel Alloy cores available

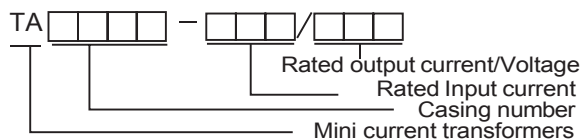
APPLICATIONS

- 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 (1.2/50 μ s 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 $^{\circ}$ C, -40 to +85 $^{\circ}$ C Optional
- Frequency: 50 to 400 Hz • RoHS compliant

PART NUMBERS

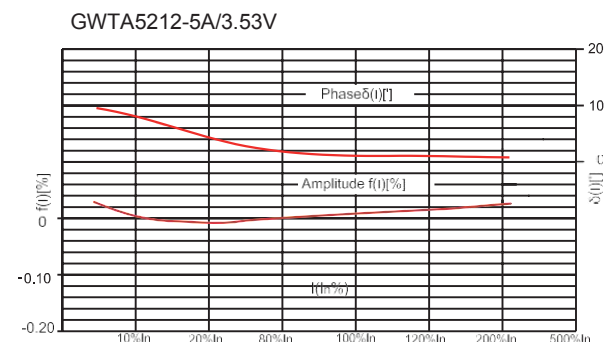


PERFORMANCES

Model	Rated Input/Output	Frequency (Hz)	Accuracy Class	Outline Dimensions (mm)
GWTA5212	Input: 1, 2, 5, 10, 20A Output: 0.1V,0.333V...3.53V..... V	50 to 400	0.1, 0.2	OD-H 32.0-26.0
GWTA5215	Input: 1, 2, 5, 10, 20A Output: 0.1V,0.333V...3.53V..... V			L-W-H 32.0-26.0
GWTA3511	Input: 1, 2, 5, 10, 20A Output: 0.1V,0.333V...3.53V..... V			L-W-H 32.0-25.0-34.0
GWTA39A11	Input: 1, 2, 5, 10, 20A Output: 0.1V,0.333V...3.53V..... V			L-W-H 35.0-32.0-33.0
GWTA39B11	Input: 1, 2, 5, 10, 20A Output: 0.1V,0.333V...3.53V..... V			L-W-H 35.0-32.0-30.0
GWTA5412	Input: 1, 2, 5, 10, 20A Output: 0.1V,0.333V...3.53V..... V			OD-H 37.4-28.0
GWTA3911	Input: 1, 2, 5, 10, 20A Output: 0.1V,0.333V...3.53V..... V			L-W-H 36.5-31.0-35.0



Typical Impedance Dependence of Phase and Amplitude Errors (test temperature 25 $^{\circ}$ C)



Address: HeXi Distr,300222 Tianjin China.

Website:www.grewin-tech.com

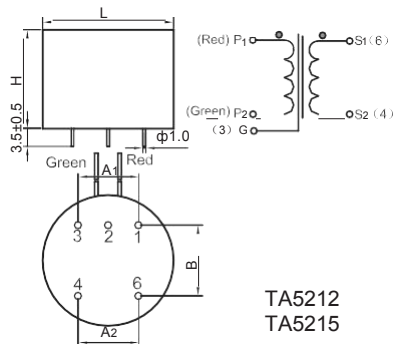
Email:salesmanager@grewin-tech.com

Phone:+82-22-84943756

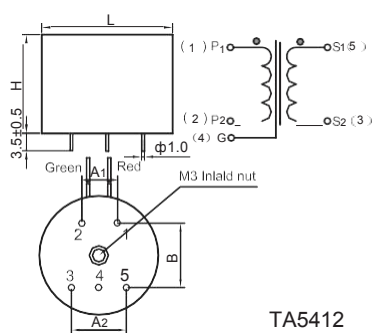
WhatsApp:+86-13072088960

Wound Primary Type Current Transformers For Measurement

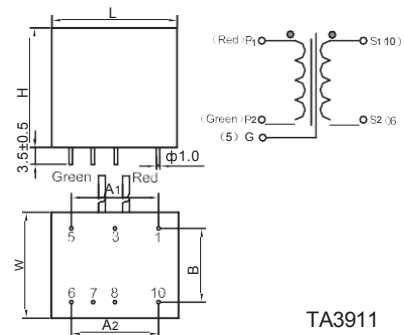
OUTLINE DRAWINGS



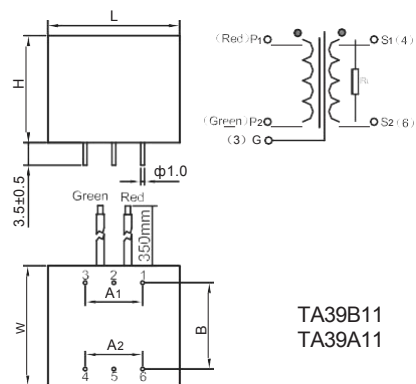
TA5212
TA5215



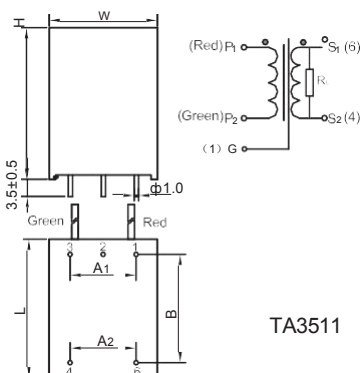
TA5412



TA3911



TA39B11
TA39A11



TA3511

OUTLINE DIMENSIONS

Unit:mm (inch)

Model	L	W	H	A1	A2	B
GWTA5212	32.0(1.260)	—	26.0(1.024)	7.62X2(0.3x2)	15.24(0.60)	20.0(0.787)
GWTA5215	32.0(1.260)	—	26.0(1.024)	7.5X2(0.295x2)	15.0(0.590)	22.5(0.886)
GWTA3511	32.0(1.260)	25.0(0.984)	35.0(1.378)	7.62X2(0.3x2)	15.24(0.60)	25.4(1.0)
GWTA39A11	35.0(1.378)	33.0(1.300)	33.0(1.300)	7.5X2(0.295x2)	7.5X2(0.295x2)	22.5(0.886)
GWTA39B11	35.0(1.378)	32.0(1.260)	30.0(1.181)	7.5X2(0.295x2)	7.5X2(0.295x2)	22.5(0.886)
GWTA5412	37.4(1.472)	—	28.0(1.102)	10.16(0.40)	20.32(0.80)	20(0.787)
GWTA3911	36.5(1.437)	31.0(1.220)	35.0(1.378)	10.16X2(0.4x2)	10.16X2(0.4x2)	25.4(1.0)

Address: HeXi Distr,300222 Tianjin China. Phone:+82-22-84943756
 Website:www.grewin-tech.com WhatsApp:+86-13072088960
 Email:salesmanager@grewin-tech.com