MINIATURE CT,s

Measurement

Single turn primary

Single turn primary

Wound primary

Electronic Watthour Meter

Without DC Immunity

With DC Immunity

Steady Protection

For Protection Relay

Transient Protection

Passive for Fault Recording

Active for Fault Recording
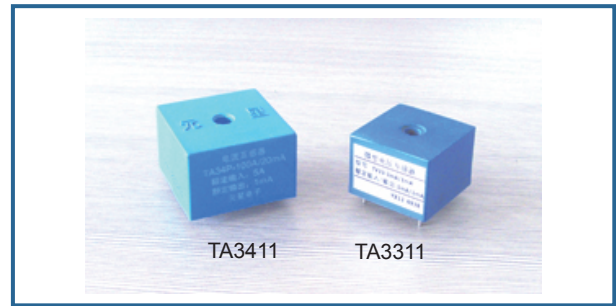
Motor Protection

Current Transformers for Measurement

Single Turn Primary 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 ower AC current or voltage signal app-ropriate for micro-processor based circuits.

The TA1X11 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.
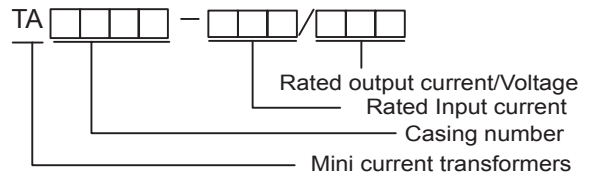
A new TA model can be designed and manufactured to meet the specific design challenges of the client's specific application. The following models are only a small sampling of the many different products which have been and are currently being manufactured.

FEATURES

• Low cost • 3 standard sizes
• Non-symmetrical mounting pattern
• Toroidal Silicon steel, Nanocrystalline and Nikel Alloy cores available
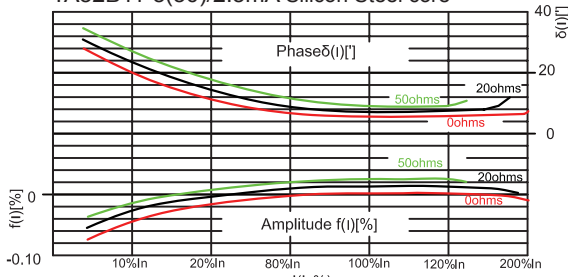
SPECIFICATIONS

• 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）
• Accuracy Class: as defined in IEC 60044-1 Part 1 Current Transformers Class 0.1, 0.2, 0.5
• Operating Temperature: -25 to +55ºC,-40 to +85ºC Optional
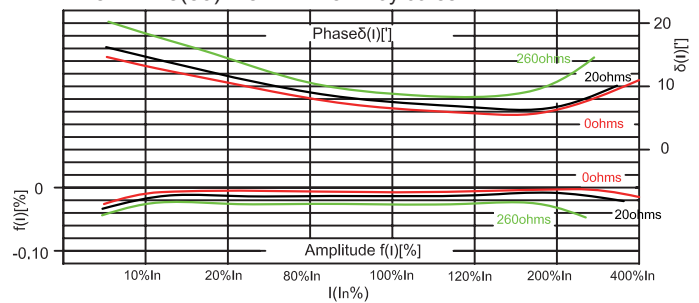• Frequency: 50 to 400 Hz • RoHS compliant • CE-approved

TA3411   TA3311

APPLICATIONS

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

PART NUMBERS

$$TA\ \square\square\square\square - \square\square\square/\square\square\square$$

Rated output current/Voltage
Rated Input current
Casing number
Mini current transformers

PERFORMANCES

Model	Rated Input/Ouput	Ratio	Frequency (Hz)	Second burden (Ohms)	Accuracy Class	Outline Dimensions ID-L-W-H(mm)
TA32B11	5~20A	1000:1,2000:1 2500:1	50 to 400	≤100	0.1, 0.2	5.0-17.6-19.3-17.6
TA3311	5~80A	1000:1,1500:1 2000:1,2500:1 3000:1	50 to 400	≤500	0.1, 0.2, 0.5	6.0-28.0-28.0-22.0
TA3411	5~100A		50 to 400	≤1000	0.1, 0.2, 0.5	6.0-34.0-34.0-23.0

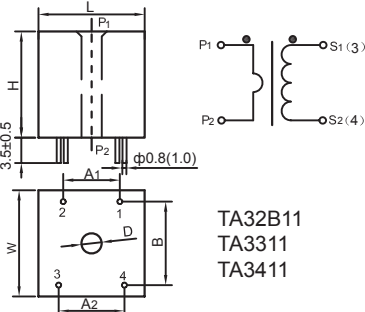### Typical Impedance Dependence of Phase and Amplitude Errors (test temperature 25º C)

TA32B11-5(50)/2.5mA Silicon Steel core

TA32B11-5(50)/2.5mA Nikel Alloy cores

OUTLINE DRAWINGS & OUTLINE DIMENSIONS

Unit:mm (inch)

TA32B11
TA3311
TA3411

Model	L	W	H	D	A1	A2	B
TA32B11	17.6 （0.693）	19.3 （0.760）	17.6 （0.693）	5.0 （0.197）	11.2 （0.441）	13.0 （0.512）	16.5 （0.650）
TA3311	28.0 （1.102）	28.0 （1.102）	20.0 （0.787）	6.0 （0.236）	10.0 （0.394）	20.0 （0.787）	20.0 （0.787）
TA3411	34.0 （1.339）	34.0 （1.339）	23.0 (0.906)	6.0 （0.236）	10.16 （0.400）	20.32 （0.800）	20.0 （0.787）