

*Total Technology & Solution for  
Sensing & Monitoring*



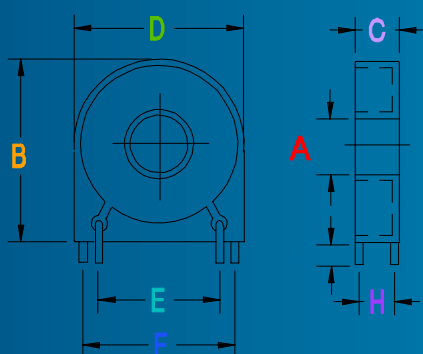
- ① **Application**
  - Digital protection reply
  - Fan control for the clean system
  - Motor, heater control
  - Uninterruptible power systems
  - Industrial monitoring sensor
  - Clean room control system
- ② **Features**
  - Accurate sensing & monitoring
  - Excellent linearity
  - High peak current coverage
  - High potential voltage up to 4KV
- ③ **Standard Accuracy : 3.0 Class**

## ● Standard Model

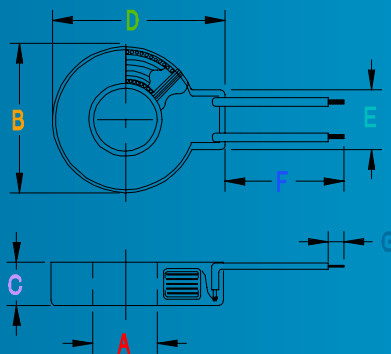
| Model    | Frequency    | Current Ratio | Burden at 20 $\Omega$ |
|----------|--------------|---------------|-----------------------|
| TC1L/V   | 20Hz to 1KHz | 5A / 5mA      | 0.104VA               |
| TC140L/V |              | 20A / 20mA    | 0.166VA               |
| TC147L/V |              | 25A / 16.6mA  | 0.154VA               |
| TC148L/V |              | 30A / 15mA    | 0.190VA               |
| TC141L/V |              | 50A / 50mA    | 0.456VA               |
| TC149L/V |              | 60A / 40mA    | 1.065VA               |
| TC142L/V |              | 100A / 100mA  | 0.968VA               |
| TC150L/V |              | 120A / 60mA   | 1.682VA               |

## ● Drawing & Dimension

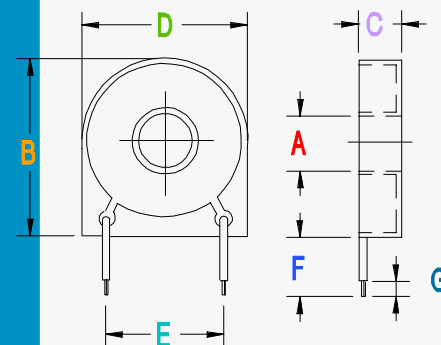
### • Drawing



PCB Mountable



< TC1L >



< Standard Type >

Lead Wire Type

### • Dimension

Lead wire type

( unit : mm/inch )

| Model                      | A(min)         | B(max)         | C(max)       | D(max)         | E(max)           | F(±3)        | G(±1)       |
|----------------------------|----------------|----------------|--------------|----------------|------------------|--------------|-------------|
| TC1L                       | 8.9<br>0.350"  | 22<br>0.866"   | 9<br>0.354"  | 25<br>0.984"   | 7<br>0.276"      | 73<br>2.874" | 3<br>0.118" |
| TC140L<br>TC147L<br>TC148L | 6.9<br>0.272"  | 23.3<br>0.917" | 11<br>0.433" | 26.6<br>1.047" | 15.1<br>0.594"   | 81<br>3.189" | 3<br>0.118" |
| TC141L<br>TC149L           | 8.9<br>0.350"  | 27.5<br>1.083" | 17<br>0.669" | 25.3<br>0.996" | 15.1±1<br>0.594" | 73<br>2.874" | 3<br>0.118" |
| TC142L<br>TC150L           | 12.9<br>0.508" | 39<br>1.535"   | 14<br>0.551" | 37.5<br>1.476" | 25.2±1<br>0.992" | 77<br>3.031" | 3<br>0.118" |



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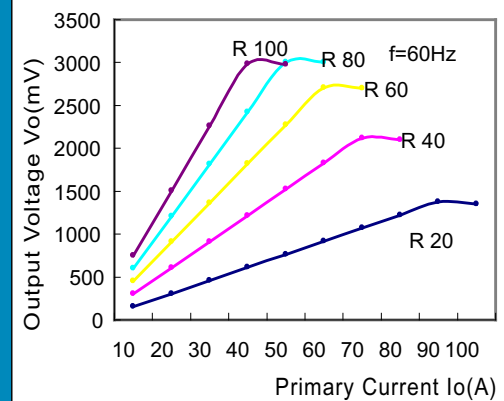
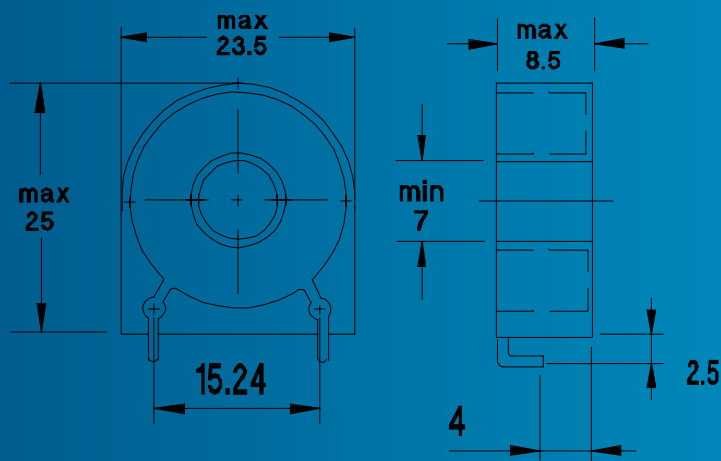
## PCB Mountable type

( unit : mm/inch )

| Model                      | A(min)         | B(max)         | C(max)       | D(max)         | E(±0.3)        | F(±0.3)        | G(±0.5)     | H(±0.3)        |
|----------------------------|----------------|----------------|--------------|----------------|----------------|----------------|-------------|----------------|
| TC1V                       | 6.8<br>0.268"  | 25<br>0.984"   | 11<br>0.433" | 23.5<br>0.925" | 15.1<br>0.594" | 19.1<br>0.752" | 3<br>0.118" | 9.1<br>0.358"  |
| TC140V<br>TC147V<br>TC148V | 6.8<br>0.268"  | 25<br>0.984"   | 11<br>0.433" | 23.5<br>0.925" | 15.1<br>0.594" | 19.1<br>0.752" | 3<br>0.118" | 9.1<br>0.358"  |
| TC141V<br>TC149V           | 8.9<br>0.350"  | 27.5<br>1.083" | 17<br>0.669" | 25.3<br>0.996" | 15.1<br>0.594" | 19.1<br>0.752" | 3<br>0.118" | 15.1<br>0.594" |
| TC142V<br>TC150V           | 12.9<br>0.508" | 39<br>1.535"   | 14<br>0.551" | 37.5<br>1.476" | 25.2<br>0.992" | 32.8<br>1.291" | 3<br>0.188" | 12.1<br>0.476" |

## Other Current Transformer

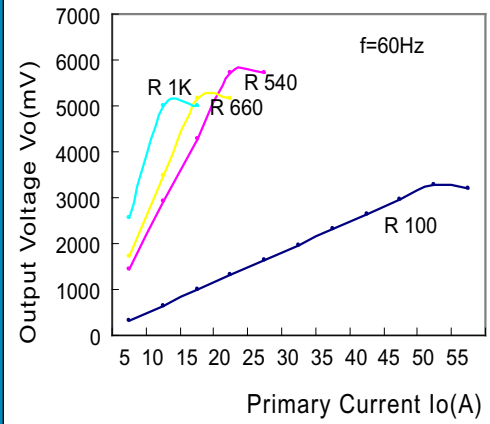
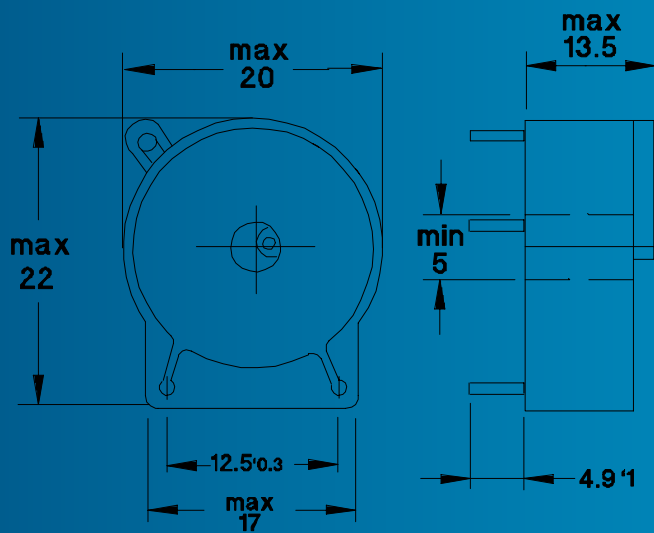
### Model TC164H



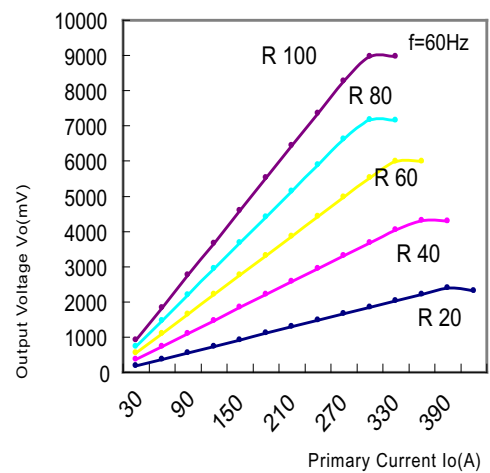
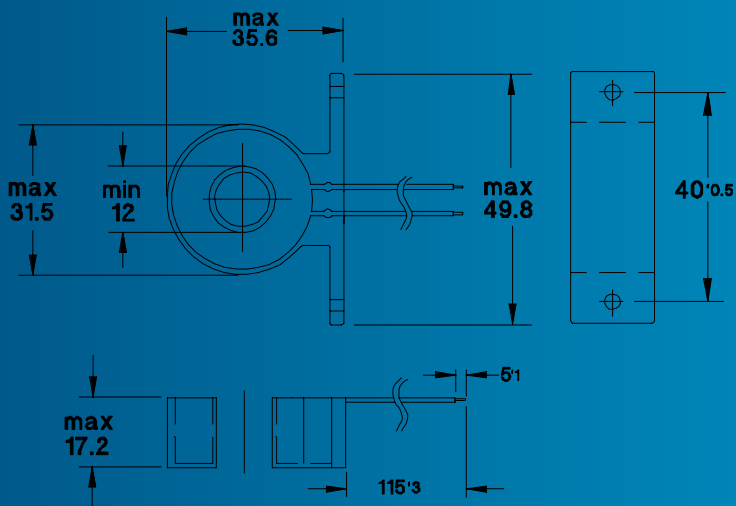
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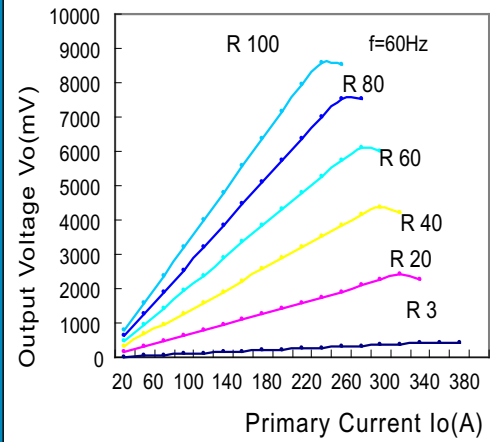
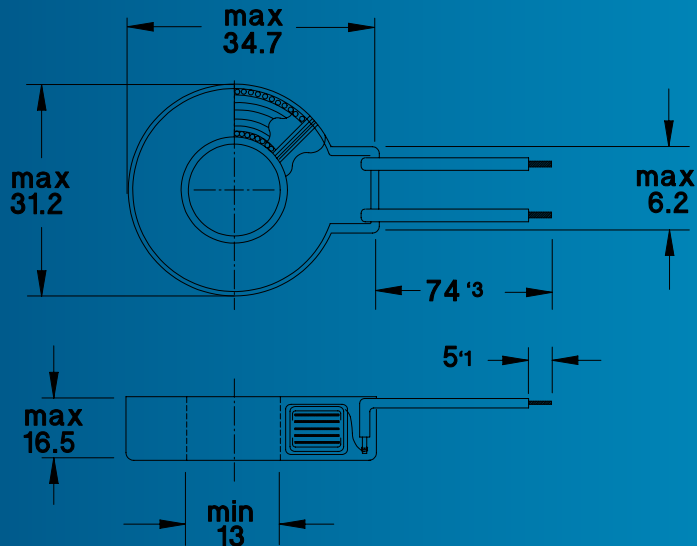
## Model TC151H



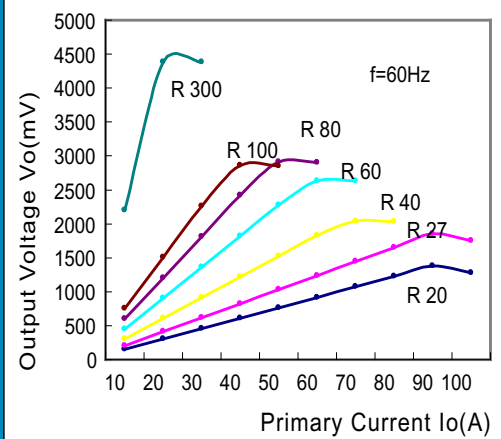
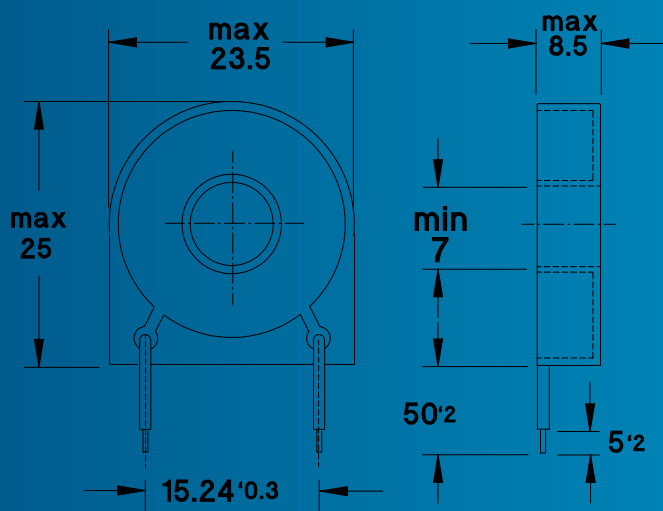
## Model TC109L



Model TC112L

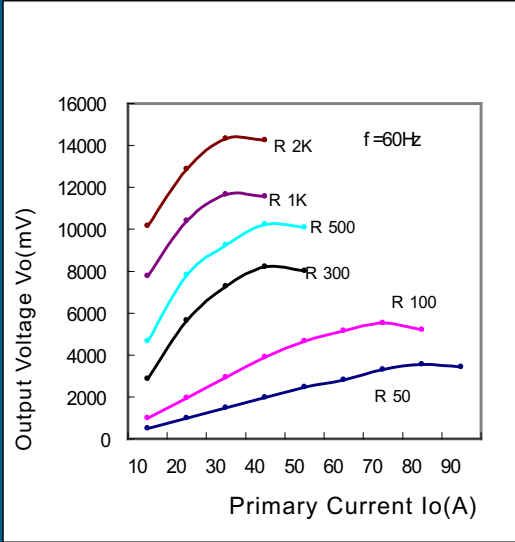


Model TC164L

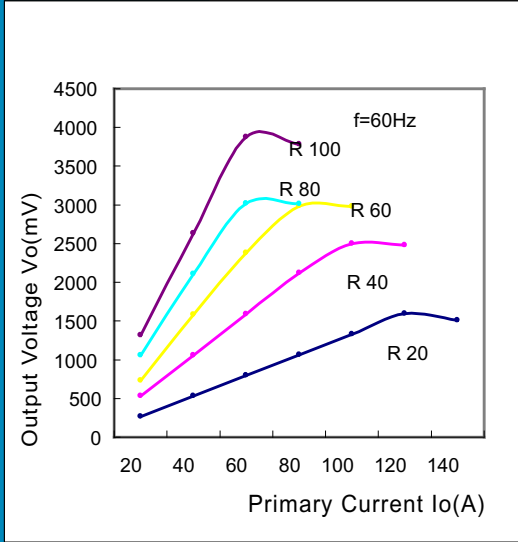


○ Secondary Burden & Output Volage

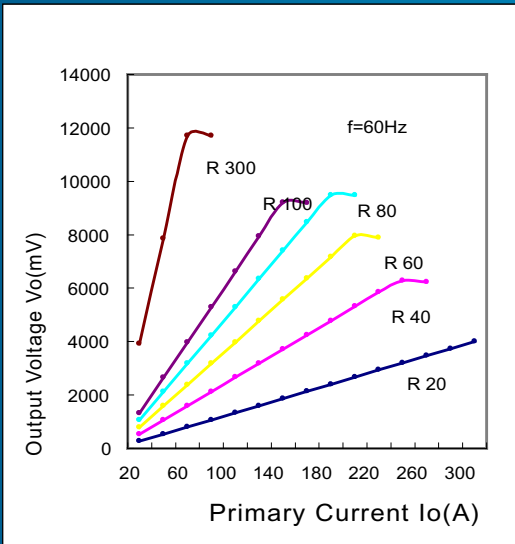
TC1V



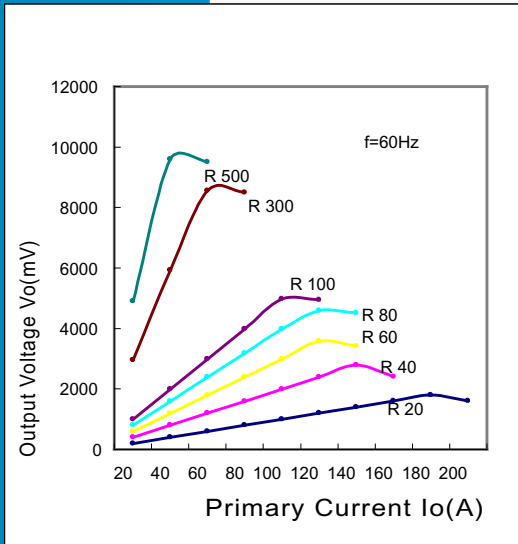
TC147V



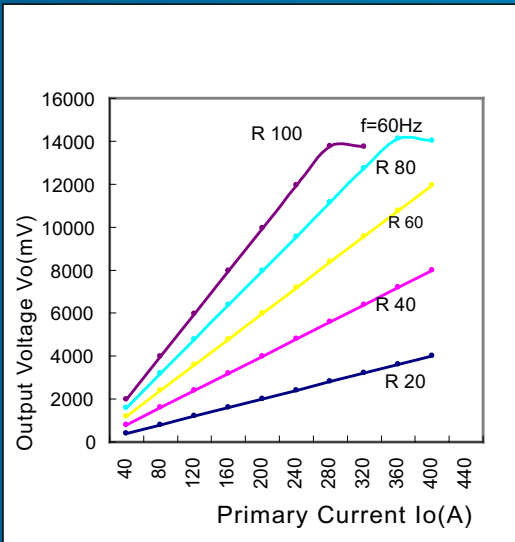
TC149V



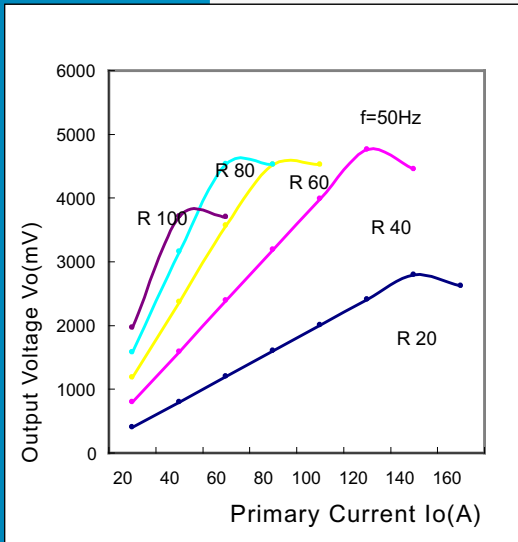
TC148V



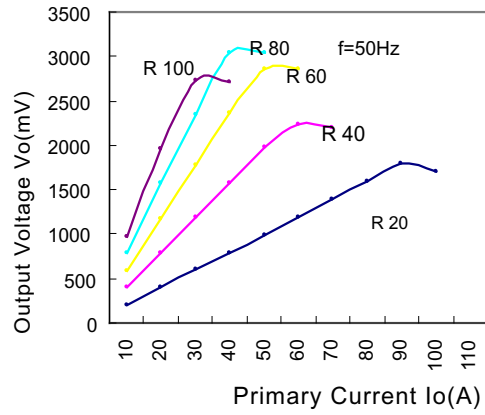
TC150V/L



TC141V/L



## TC140V/L



## TC142V/L

