

W.I.C.C. Ltd  
119 MULLER RD  
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(309)-444-4125  
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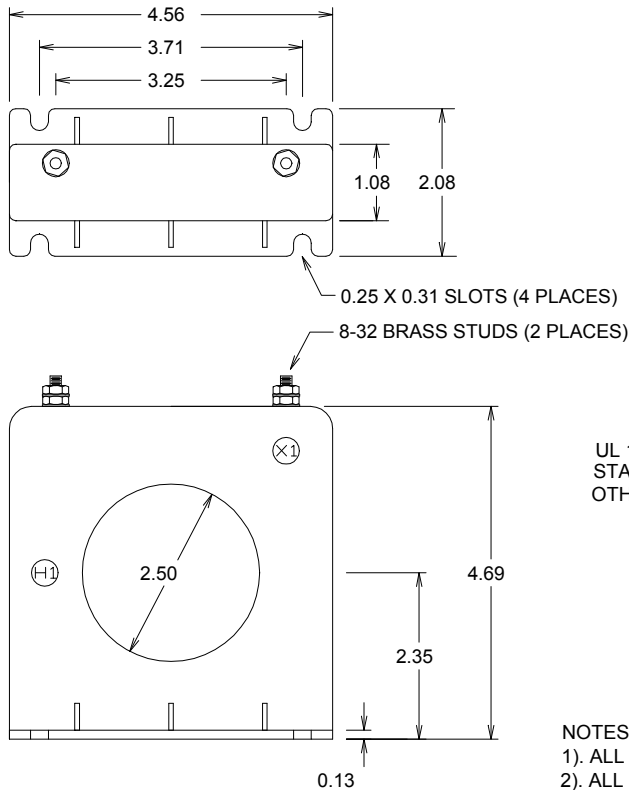
# CURRENT TRANSFORMER MODEL 653F

2.50" I.D.

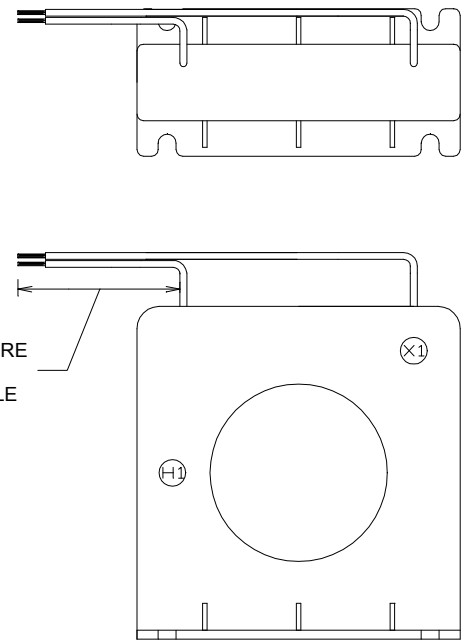
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REV 18DEC00

## TERMINAL OPTION



## LEAD WIRE OPTION



UL 1015, #16 AWG LEAD WIRE  
STANDARD LENGTH IS 24",  
OTHER LENGTHS AVAILABLE

### NOTES

- 1). ALL DIMENSIONS IN INCHES
- 2). ALL DIMENSIONS REF ONLY

## Specifications

- ☐ Secondary sources 5 amps AC at rated F.S. primary current
- ☐ Nominal operating frequency range is 50-400HZ
- ☐ Thermal rating factor is 1.33 @ 30C for ratios up to 1250:5A, 1.15 @ 30C for ratios above 1250:5A
- ☐ Insulation voltage class is 0.6KV BIL 10KV
- ☐ For indoor applications only
- ☐ Reference documents IEEE C57.13, UL1244, CSA CAN3-C13-M83, and IEC 44-1
- ☐ Enclosure is made of glass-filled Nylon, color is black

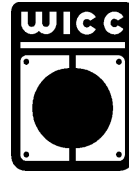
## Options, contact Factory for information

- ☐ UL and Canadian UL Recognized Component. File E100575.
- ☐ 2.0, 5.0, and 10 VAC output at F.S. primary amperage. Other non-standard ratings also available.
- ☐ 1, 0.2, and 0.1 A output at F.S. primary amperage. Other non-standard ratings also available
- ☐ 8-32 Brass Studs or #16 AWG UL 1015 Lead Wires.
- ☐ Custom lead wire lengths and types.
- ☐ Thermal ratings above 1.33 for selected ratios.
- ☐ Housing with or without mounting flange (See Model 653 for no-flange design).
- ☐ Center tap and custom multi tap winding arrangements

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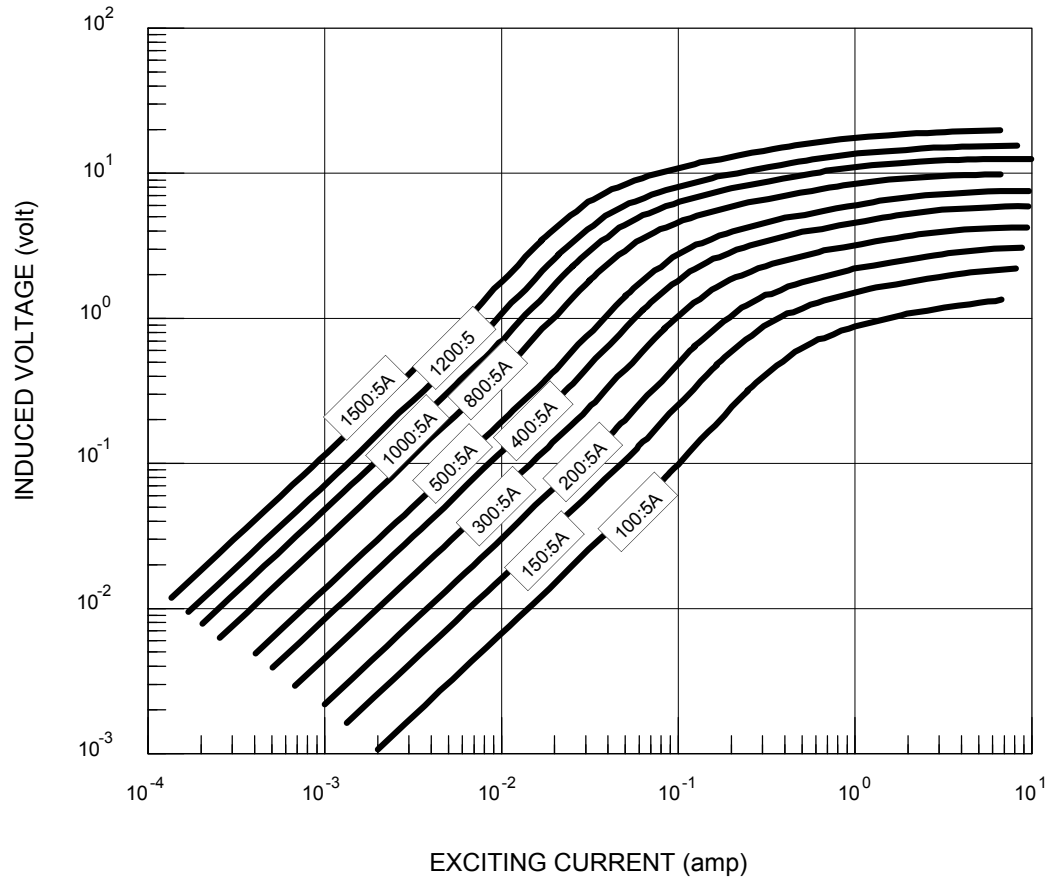
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MODEL 653F

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TYPICAL EXCITATION CURVE for WICC MODEL 653 and 653F at 60HZ



| W.I.C.C. PART<br>NUMBER * | RATIO   | ACCURACY @ 60HZ |             | NOMINAL WINDING<br>RESISTANCE (ohm) |
|---------------------------|---------|-----------------|-------------|-------------------------------------|
|                           |         | ± %             | BURDEN (VA) |                                     |
| 653F-100-00-xxx           | 100:5A  | 3.0             | 2.0         | 0.02                                |
| 653F-150-00-xxx           | 150:5A  | 1.5             | 2.0         | 0.03                                |
| 653F-200-00-xxx           | 200:5A  | 1.0             | 2.0         | 0.04                                |
| 653F-250-00-xxx           | 250:5A  | 1.0             | 2.0         | 0.04                                |
| 653F-300-00-xxx           | 300:5A  | 1.0             | 2.0         | 0.05                                |
| 653F-400-00-xxx           | 400:5A  | 1.0             | 4.0         | 0.10                                |
| 653F-500-00-xxx           | 500:5A  | 1.0             | 6.5         | 0.12                                |
| 653F-600-00-xxx           | 600:5A  | 1.0             | 10          | 0.14                                |
| 653F-750-00-xxx           | 750:5A  | 1.0             | 15          | 0.19                                |
| 653F-1000-00-xxx          | 1000:5A | 1.0             | 15          | 0.22                                |
| 653F-1200-00-xxx          | 1200:5A | 1.0             | 20          | 0.27                                |
| 653F-1500-00-xxx          | 1500:5A | 1.0             | 20          | 0.42                                |
| 653F-1600-00-xxx          | 1600:5A | 1.0             | 25          | 0.45                                |

\* "xxx" describes termination: "T" FOR BRASS STUDS, "Lyyy" FOR LEAD WIRES (Where "yyy" is the lead length in inches. For example, "L24" represents 24 inch long lead wires.)