

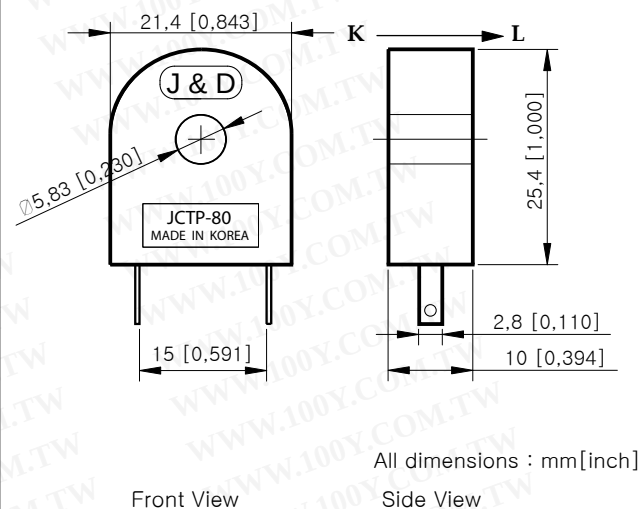


Commercial Current Transformer - JCTP80

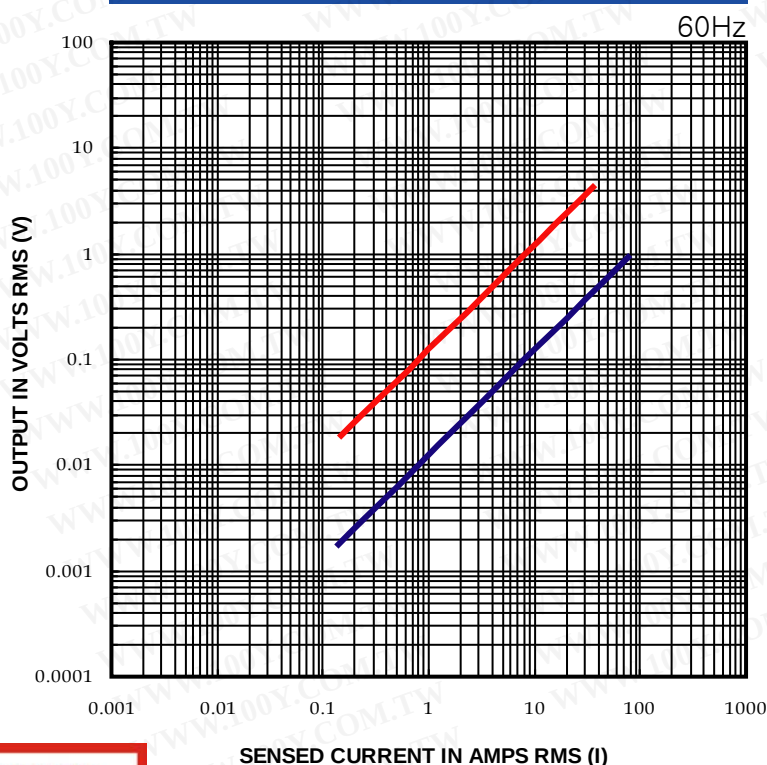
Specifications

Current Range	: 0.15A-80A
Max. Continios Current	: 80A
Winding Turns	: 800T
Linearity Error Test Point	: 1A(Test Load : 1K Ω)
Winding Resistance	: 36 $\pm$ 5 Ω
Insulation Resistance	: 100M Ω @ 500Vdc
High Potential	: 2000Volts $\times$ 1min
Operating Frequency	: 50 and 60Hz
Operating Temperature	: -20 $^{\circ}$ C ~ +75 $^{\circ}$ C
Storage Temperature	: -30 $^{\circ}$ C ~ +80 $^{\circ}$ C
Core Material	: Silicon Steel
Case Material	: Polypropylene Resin
Outport Pin Material	: brass
Construction	: Epoxy Encapsulated
Feature	: PCB(MTD) Type

Outline Drawing



Out Voltage Data



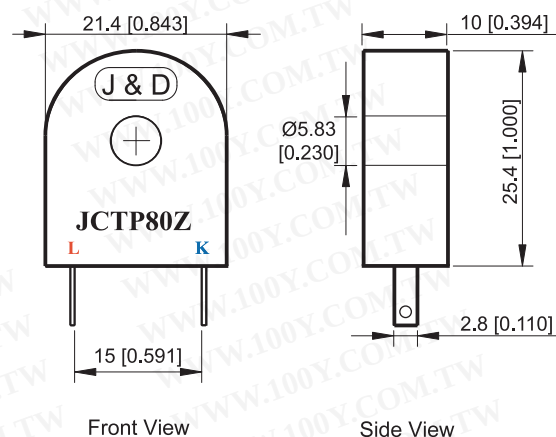
AC Current Transformer

J&D PART NUMBER	STANDARD ACCURACY	FEATURE
JCTP-80Z	1.0 Class	Vertical (PCB) Mounting Type

Electrical Properties

- ◆ Rated Current for 8A / 10mA
- ◆ Current Range for 1mA~20A
- ◆ DCR(Ω) for $38 \pm 10\%$
- ◆ Suggested Burden resistor(Ω) for 10
- ◆ Operating Frequency for 50/60Hz
- ◆ Operating Temp. range for $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- ◆ High-Potential Voltage for $\text{a.c. } 2.0\text{KV} / 1\text{min}$
- ◆ Insulation Resistance for DC 500V / 100M Ω
- ◆ Data tested at $T_a=25^{\circ}\text{C}$

Drawing



Unit : mm [inch]

Test Circuit

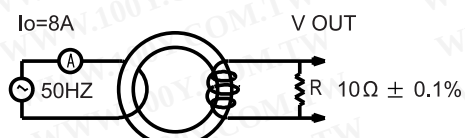


FIGURE 1

Ratio Error & Phase Shift Test Circuit

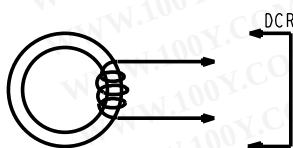
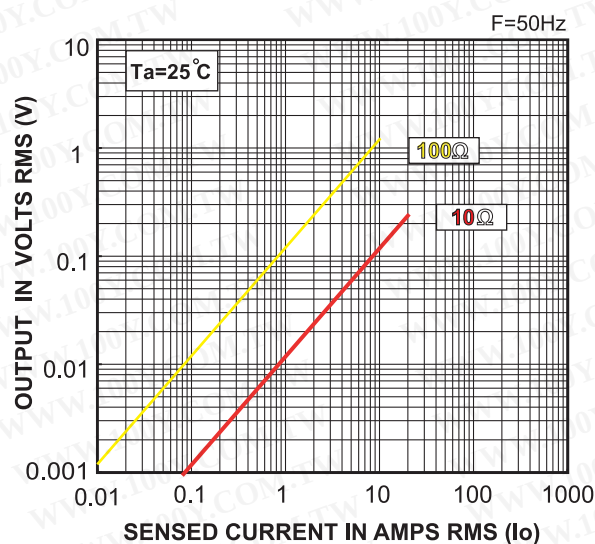


FIGURE 2

DCR Test Circuit

Output Voltage Data



Accuracy Data

Test Point	4A	8A
Maximum. Linearity Error (%)	± 1.0	± 1.0
Maximum. Angle Error in Minutes	$\pm 60'$	$\pm 60'$