

High Precision Current Transformer

Current Transformer

J series

| Model | Primary Current Range | | Error | Turns Ratio | Characteristical Value | | | | Inner Dia. Ø | Current Range | Terminal Structure |
|----------|----------------------------|---|------------------|-------------|------------------------|---------------------|--------------------|-----------------------|--------------|---------------|--------------------|
| | I _{max} [Arms] | I _{peak} [A _{OC}] | Phase Ø(l) [°] | | L [H] | R _{cu} [Ω] | R _B [Ω] | U _B [Vrms] | | | |
| JD3V | 6 | - | 0.21 | 1:2500 | 156 | 135 | 50 | 0.12 | 7.0 | 1mA-80A | Pin type |
| JD315V | 6 | - | 0.21 | 1:1500 | 56 | 47 | 20 | 0.08 | 7.0 | 1mA-40A | Pin type |
| JD32V | 6 | - | 0.28 | 1:2000 | 100 | 105 | 50 | 0.15 | 7.0 | 1mA-50A | Pin type |
| JD4V | 40 | - | 0.21 | 1:2500 | 187 | 199 | 25 | 0.40 | 9.0 | 1mA-150A | Pin type |
| JD12V | 60 | - | 0.13 | 1:2500 | 210 | 150 | 7.5 | 0.18 | 12.2 | 1mA-240A | Pin type |
| JD5V | 120 | - | 0.13 | 1:2500 | 110 | 74 | 5 | 0.24 | 13.1 | 1mA-250A | Pin type |
| JD51V | 60 | - | 0.36 | 1:1000 | 17 | 29 | 5 | 0.20 | 13.1 | 1mA-100A | Pin type |
| JD52V | 100 | - | 0.16 | 1:2000 | 70 | 58 | 5 | 0.15 | 13.1 | 1mA-200A | Pin type |
| JD54V | 200 | - | 0.04 | 1:4000 | 272 | 58 | 5 | 0.15 | 13.0 | 1mA-350A | Pin type |
| JD3W | 6 | - | 0.21 | 1:2500 | 156 | 135 | 50 | 0.12 | 7.0 | 1mA-80A | Wire type |
| JD315W | 6 | - | 0.21 | 1:1500 | 56 | 47 | 20 | 0.08 | 7.0 | 1mA-40A | Wire type |
| JD32W | 6 | - | 0.28 | 1:2000 | 100 | 105 | 50 | 0.15 | 7.0 | 1mA-50A | Wire type |
| JD4W | 40 | - | 0.21 | 1:2500 | 187 | 199 | 25 | 0.40 | 9.0 | 1mA-150A | Wire type |
| JD5W | 120 | - | 0.13 | 1:2500 | 110 | 74 | 5 | 0.24 | 13.0 | 1mA-250A | Wire type |
| JD51W | 60 | - | 0.36 | 1:1000 | 17 | 29 | 5 | 0.20 | 13.0 | 1mA-100A | Wire type |
| JD52W | 100 | - | 0.16 | 1:2000 | 70 | 58 | 5 | 0.15 | 13.0 | 1mA-200A | Wire type |
| JD54W | 200 | - | 0.04 | 1:4000 | 272 | 58 | 5 | 0.15 | 13.0 | 1mA-350A | Wire type |
| JD6W | 200 | - | 0.13 | 1:2500 | 100 | 57 | 5 | 0.40 | 19.30 | 1mA-300A | Wire type |
| JD62W | 200 | - | 0.14 | 1:2000 | 69 | 48 | 5 | 0.50 | 19.30 | 1mA-270A | Wire type |
| JD7W | 400 | - | 0.22 | 1:4000 | 180 | 214 | 4 | 0.40 | 30.00 | 1mA-500A | Wire type |
| JL13 | 4 | - | 0.91 | 1:1300 | 22 | 100 | 10 | 0.03 | 6.0 | 1mA-20A | Pin type |
| JL8 | 4 | - | 0.96 | 1:800 | 8.3 | 36 | 8 | 0.04 | 6.0 | 1mA-15A | Pin type |
| JCTP-80Z | 4 | - | 0.64 | 1:800 | 13 | 38 | 8 | 0.04 | 5.83 | 1mA-20A | Pin type |
| JCTH-80Z | 4 | - | 0.64 | 1:800 | 13 | 38 | 8 | 0.04 | 6.1 | 1mA-20A | Pin type |
| J3CT | 5 | - | 0.24 | 1:2500 | 110 | 135 | 10 | 0.02 | 6.5 | 1mA-40A | Pin type |
| JCTS250G | 100 | - | 0.13 | 1:2500 | 110 | 74 | 5 | 0.20 | 12.20 | 1mA-250A | Pin type |

Specification

* Operating Frequency 50Hz, Dielectric withstand 2'nd-Earth AC 2.5KV/1min

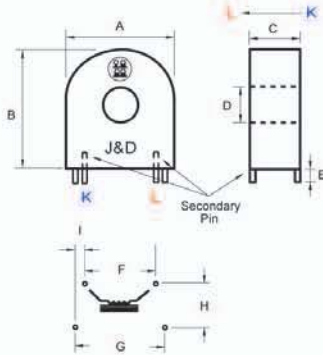
| Model | Drawing No. | A | B | C | D | E | F | G | H | I | J |
|---------------------|-------------|-------|-------|-------|-------|------|--|-------|-------|-----|---|
| JD3V, JD315V, JD32V | 3-1 | 23.40 | 24.80 | 10.40 | 7.00 | 3.00 | 15.00 | 19.00 | 9.10 | 2.0 | - |
| JD4V | 3-1 | 25.00 | 27.00 | 16.50 | 9.00 | 3.00 | 15.10 | 19.10 | 15.10 | 2.0 | - |
| JD12V | 3-1 | 30.40 | 33.40 | 17.70 | 12.20 | 3.00 | 15.10 | 19.10 | 16.50 | 2.0 | - |
| JD5V, JD51V | 3-1 | 37.50 | 39.00 | 14.00 | 13.10 | 3.00 | 25.20 | 32.60 | 12.60 | 3.7 | - |
| JD52V, JD54V | 3-1 | 37.50 | 39.00 | 14.00 | 13.10 | 3.00 | 25.20 | 32.60 | 12.60 | 3.7 | - |
| JD3W, JD315W, JD32W | 3-2 | 23.30 | 26.50 | 10.50 | 7.00 | 90 | 3.40 | 3.80 | 7.00 | 3.0 | - |
| JD4W | 3-2 | 24.40 | 28.10 | 16.60 | 9.00 | 90 | 3.50 | 4.00 | 7.40 | 3.0 | - |
| JD5W, JD51W | 3-2 | 37.10 | 40.80 | 13.50 | 13.00 | 110 | 3.70 | 4.50 | 10.00 | 3.0 | - |
| JD52W, JD54W | 3-2 | 37.10 | 40.80 | 13.50 | 13.00 | 110 | 3.70 | 4.50 | 10.00 | 3.0 | - |
| JD6W, JD62W | 3-2 | 48.50 | 51.20 | 19.45 | 19.30 | 254 | 3.60 | 5.50 | 12.50 | 3.0 | - |
| JD7W | 3-2 | 61.00 | 64.00 | 20.00 | 30.00 | 254 | 3.75 | 6.00 | 13.20 | 3.0 | - |
| JL13, JL8 | 3-3 | 17.60 | 18.0 | 9.8 | 6.0 | 5.7 | 12.4 | | | | - |
| JCTP-80Z | 3-4 | | | | | | Please refer to the Drawing dimension. | | | | |
| JCTH-80Z | 3-5 | | | | | | Please refer to the Drawing dimension. | | | | |
| J3CT | 3-6 | | | | | | Please refer to the Drawing dimension. | | | | |
| JCTS250G | 3-7 | | | | | | Please refer to the Drawing dimension. | | | | |

Dimension

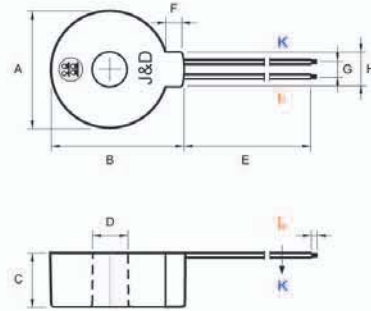
* Unit : mm

Drawing Current Transformer

3-1

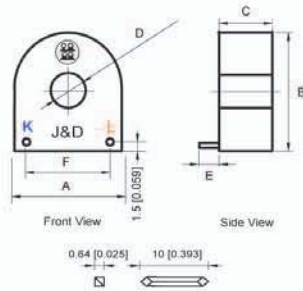


3-2

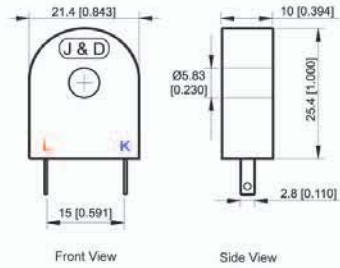


Unit : mm [inch]

3-3

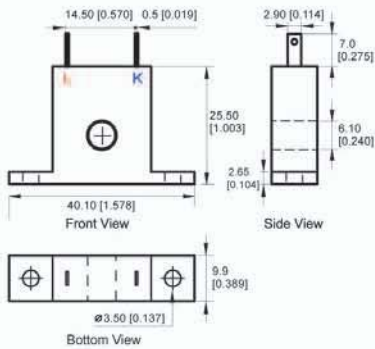


3-4

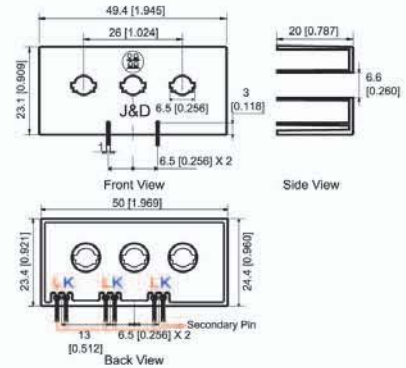


Unit : mm [inch]

3-5

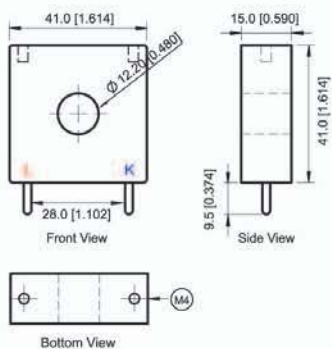


3-6

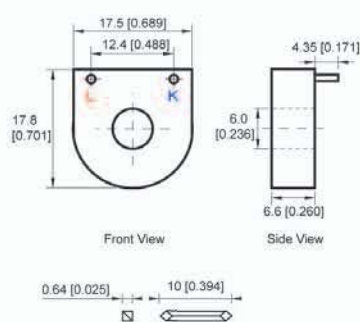


Unit : mm [inch]

3-7



3-8



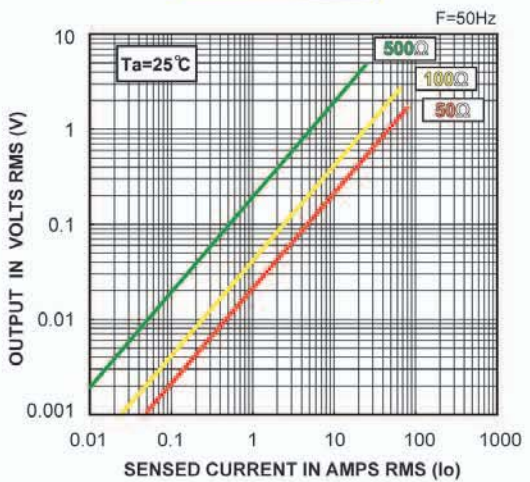
Unit : mm [inch]

Output Voltage Data

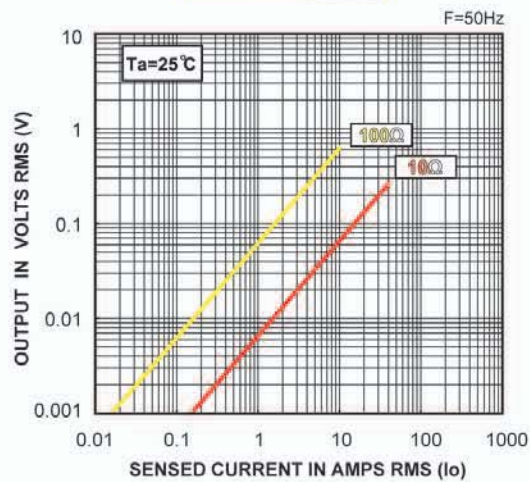
Current Transformer

Output Voltage Data

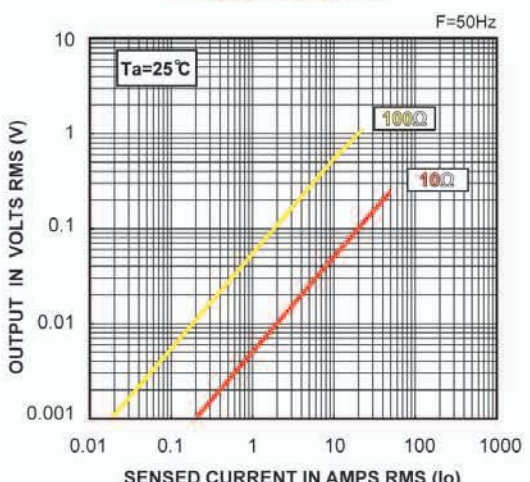
JD3V / JD3W



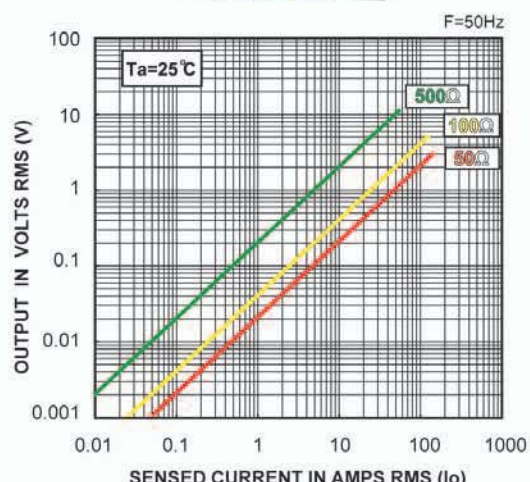
JD315V / JD315W



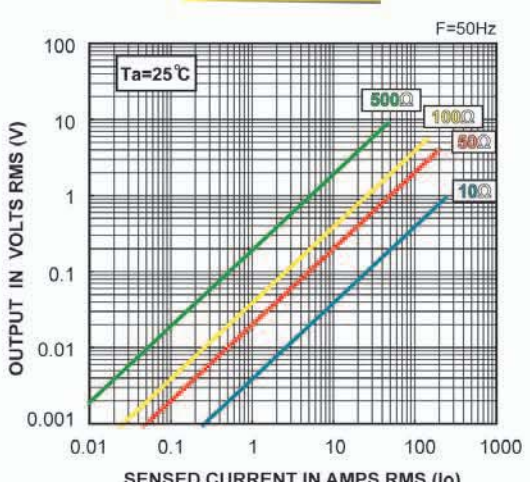
JD32V / JD32W



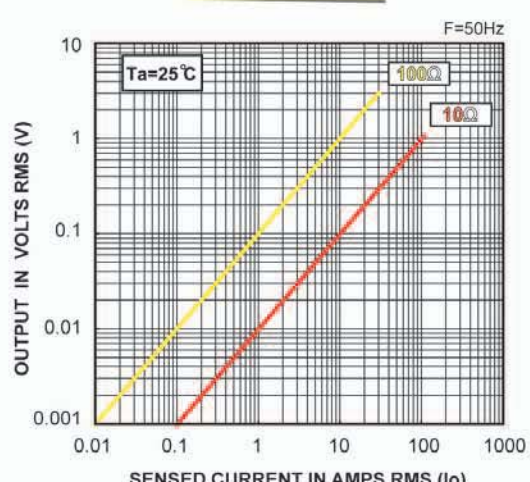
JD4V / JD4W



JD5V / JD5W



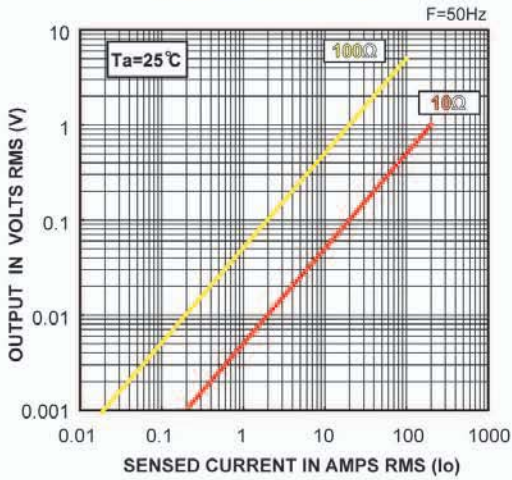
JD61V / JD61W



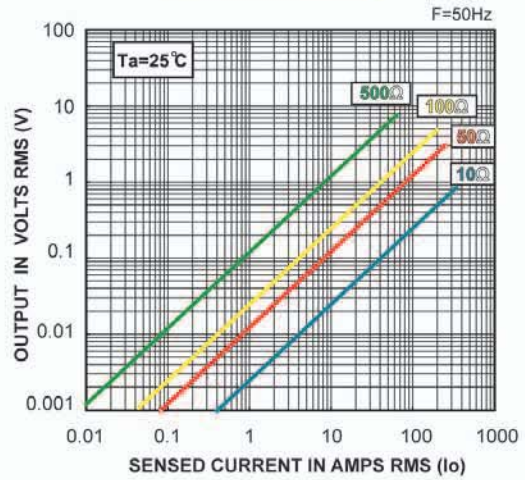
Output Voltage Data

Current Transformer

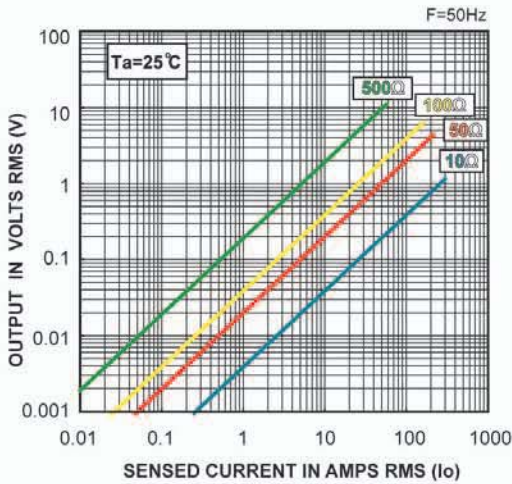
JD52V / JD62W



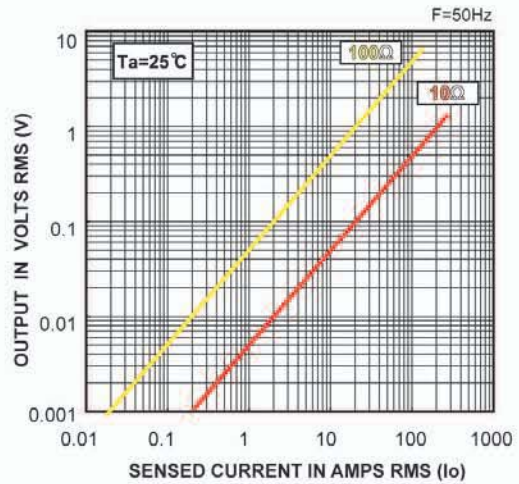
JD54V / JD54W



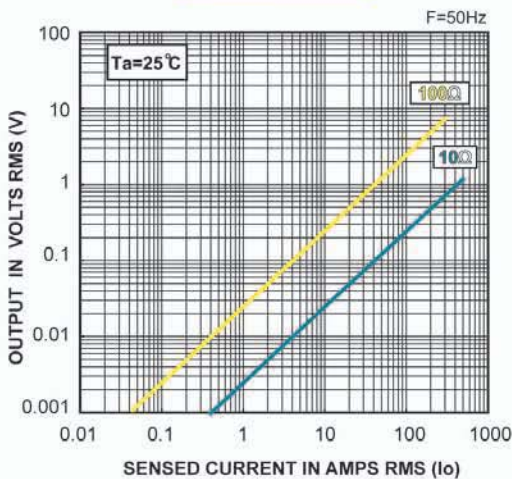
JD6W



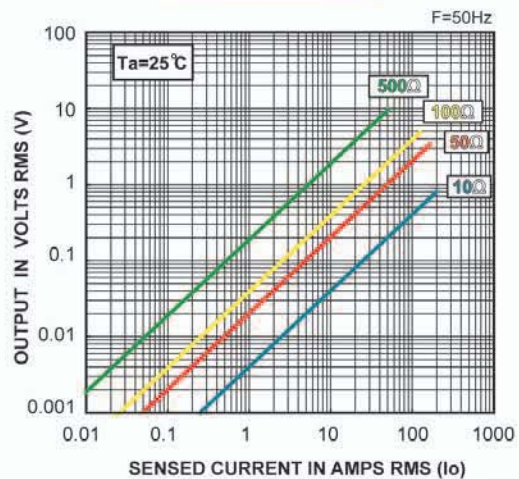
JD62W



JD7W



JD12V

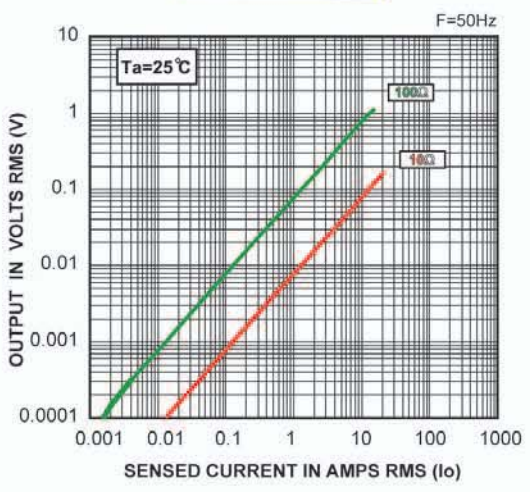


Output Voltage Data

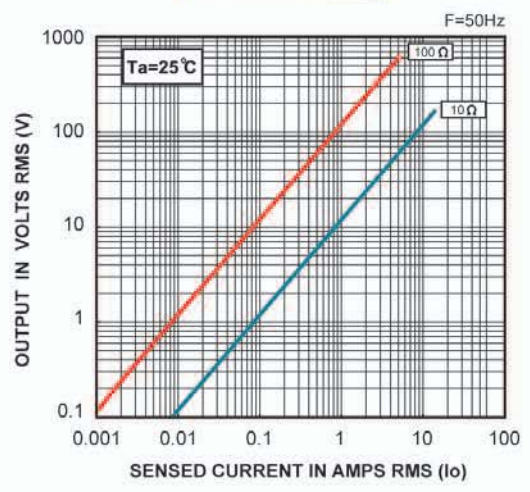
Current Transformer

Output Voltage Data

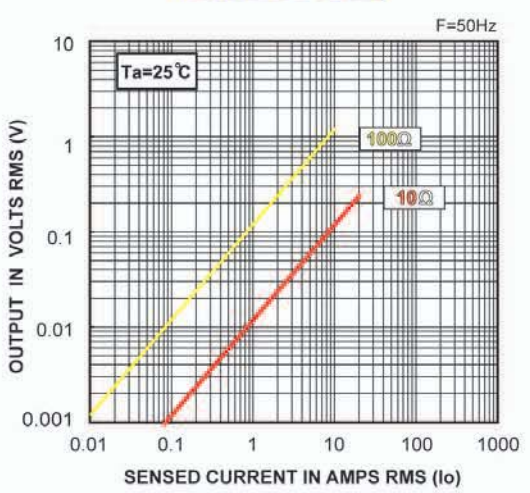
JL13



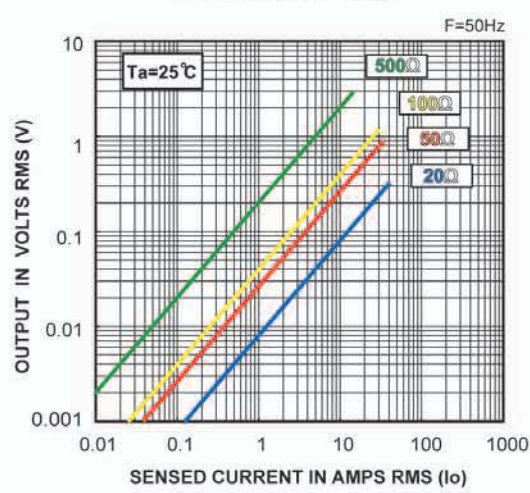
JL8



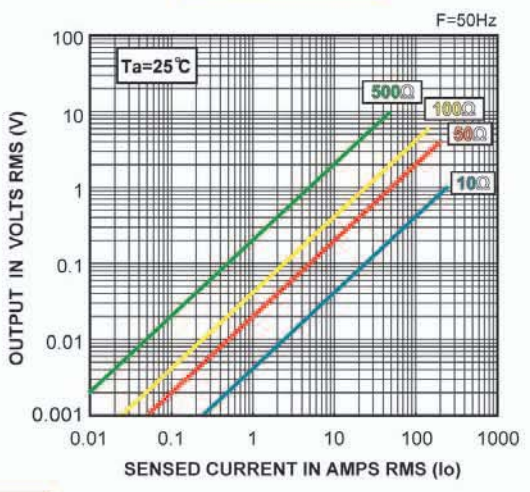
JCTP-80Z / JCTH-80Z



J3CT



JCTS250Q



JS31V / JS31W

