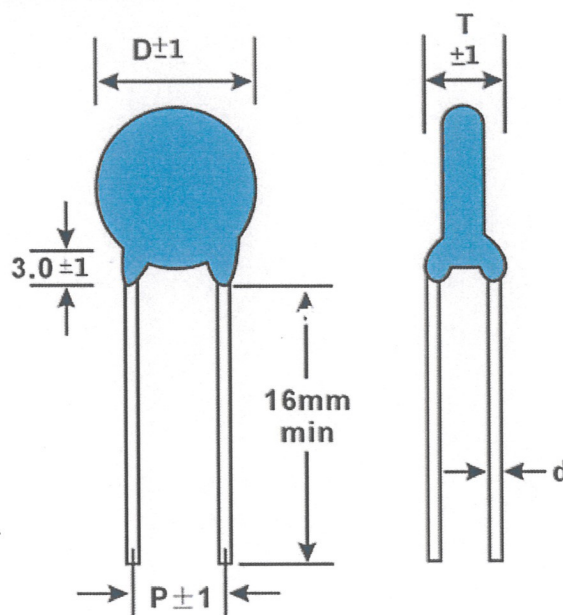


FEATURES

SPECIFICATIONS

| | |
|---------------------------|---|
| OPERATING CONDITION RANGE | -25°C to +85°C (105°C on request) |
| RATED WORKING VOLTAGE | 500V - 6000V. DC |
| CAPACITANCE RANGE | 100pF – 10,000pF |
| TEST VOLTAGE | 2 times of the rated voltage. |
| INSULATION RESISTANCE | 10,000 MΩ or 200 MΩ whichever is the smaller |
| DISSIPATION FACTOR (tanδ) | at 1 KHz, ±0.2 Vrms. 25°C Y5P, Z5U: tan δ ≤ 0.5% Y5V Y5U: tan δ ≤ 5% NPO SL <30P Q>600 >=30P Q>1000 |



CT81 HIGH VOLTAGE CERAMIC CAPACITOR

| Item | | 500V | | | | 1 KV | | | | 2 KV | | | | 3 KV | | | | Remark |
|------------|------------------------------------|------|-----|-----|------------|------|-----|-----|------------|------|-----|------|------------|------|-----|------|------------|--------|
| Dielectric | Capacitance Code Tolerance Code | D±1 | T±1 | P±1 | d± 0.05 | D±1 | T±1 | P±1 | d± 0.05 | D±1 | T±1 | P±1 | d± 0.05 | D±1 | T±1 | P±1 | d± 0.05 | |
| NPO | 1R0-9R0 D | 5.5 | 2.2 | 5 | 0.5 | 5.5 | 2.2 | 5 | 0.5 | 6.0 | 2.3 | 5.0 | 0.5 | / | / | / | / | |
| NPO | 100 K | 5.5 | 2.2 | 5 | 0.5 | 5.5 | 2.2 | 5 | 0.5 | 6.0 | 2.3 | 5.0 | 0.5 | / | / | / | / | |
| SL | 120-101K | 5.5 | 2.2 | 5 | 0.5 | 5.5 | 2.2 | 5 | 0.5 | 6.0 | 2.8 | 5.0 | 0.5 | 6.0 | 3.5 | 7.5 | 0.7 | |
| Y5P | 120-101K | 5.5 | 2.2 | 5 | 0.5 | 6 | 2.3 | 5 | 0.5 | 6.0 | 2.8 | 5.0 | 0.5 | 6.1 | 3.5 | 7.5 | 0.7 | |
| Y5P | 151-561K | 6 | 2.2 | 5 | 0.5 | 6 | 2.3 | 5 | 0.5 | 6.0 | 3.0 | 5.0 | 0.5 | / | / | / | / | |
| Y5U | 102M | 6.5 | 2.3 | 5 | 0.5 | / | / | / | / | 5.6 | 3.0 | 5.0 | 0.5 | 6.0 | 3.5 | 7.5 | 0.7 | |
| Y5P | 681-102K | 6 | 2.2 | 5 | 0.5 | 6.5 | 2.3 | 5 | 0.5 | 8.0 | 3.0 | 5.0 | 0.5 | 9.1 | 3.5 | 7.5 | | |
| Y5V | 122-222Z | 6 | 2.2 | 5 | 0.5 | / | / | / | / | 6.0 | 3.0 | 5.0 | 0.5 | / | / | / | / | |
| Y5U | 122-222M | 6 | 2.2 | 5 | 0.5 | 7 | 2.3 | 5 | 0.5 | 8.0 | 3.0 | 5.0 | 0.5 | 9.1 | 3.5 | 7.5 | | |
| Y5P | 122-222K | 8 | 2.2 | 5 | 0.5 | 8.5 | 2.3 | 5 | 0.5 | 11.0 | 3.0 | 7.5 | 0.6 | / | / | / | / | |
| Y5V | 272-472Z | 6 | 2.2 | 5 | 0.5 | | | 5 | 0.5 | / | / | / | / | / | / | / | / | |
| Y5U | 272-472M | 7 | 2.2 | 5 | 0.5 | 8 | 2.3 | 5 | 0.5 | 10.0 | 3.0 | 5.0 | 0.5 | 13.1 | 3.8 | 10.0 | 0.7 | |
| Y5P | 272-472K | 11 | 2.2 | 5 | 0.5 | 12 | 2.3 | 5 | 0.5 | 14.4 | 3.0 | 7.5 | 0.6 | / | / | / | / | |
| Y5P | 562K | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | |
| Y5V | 682-103Z | 8 | 2.2 | 5 | 0.5 | 9 | 2.3 | 5 | 0.5 | / | / | / | / | / | / | / | / | |
| Y5U | 682-103M | 9 | 2.2 | 5 | 0.5 | 12 | 2.3 | 5 | 0.5 | 14.4 | 3.0 | 10.0 | 0.6 | 17.2 | 3.8 | 10.0 | 0.7 | |
| Y5V | 153-223Z | 11 | 2.2 | 5 | 0.5 | 14 | 2.5 | 7.5 | 0.6 | / | / | / | / | / | / | / | / | |
| Y5V | 473Z | / | / | / | / | 17 | 2.5 | 10 | 0.7 | / | / | / | / | / | / | / | / | |
| Y5V | 473M | 15 | 2.3 | 7.5 | 0.5 | / | / | / | / | / | / | / | / | / | / | / | / | |
| Y5V | 104Z Φ19 | 20 | 2.3 | 7.5 | 0.5 | 20 | 2.8 | 10 | 0.7 | / | / | / | / | / | / | / | / | |
| Y5V | 104Z Φ24 | 23.5 | 2.3 | 7.5 | 0.5 | 22 | 2.8 | 10 | 0.7 | / | / | / | / | / | / | / | / | |

Ammo Taped and Cut Leads are available on request. Special size is on request too.

CT81 HIGH VOLTAGE CERAMIC CAPACITOR

| Item | | 4KV | | | | 5KV | | | | 6KV | | | | Remark |
|------------|------------------|------|-----|------|--------|------|-----|------|--------|------|-----|------|--------|--------|
| Dielectric | Capacitance Code | D±1 | T±1 | P±1 | d±0.05 | D±1 | T±1 | P±1 | d±0.05 | D±1 | T±1 | P±1 | d±0.05 | |
| Y5P | 101 K | 6.0 | 3.0 | 7.5 | 0.6 | 6.0 | 3.5 | 10.0 | 0.6 | 6.0 | 3.5 | 10.0 | 0.60 | |
| Y5P | 151 K | 6.0 | 3.5 | 7.5 | 0.6 | 6.0 | 4.5 | 10.0 | 0.6 | 6.0 | 4.5 | 10.0 | 0.60 | |
| Y5P | 221 K | 6.0 | 3.5 | 7.5 | 0.6 | 6.0 | 4.5 | 10.0 | 0.6 | 6.0 | 4.5 | 10.0 | 0.60 | |
| Y5P | 271 K | 7.0 | 3.5 | 7.5 | 0.6 | | | | | | | | | |
| Y5P | 331 K | 6.5 | 3.5 | 7.5 | 0.6 | 7.0 | 4.5 | 10.0 | 0.6 | 7.0 | 4.5 | 10.0 | 0.60 | |
| Y5U | 331 K | | | | | 6.0 | 4.5 | 10.0 | 0.6 | 6.0 | 4.5 | 10.0 | 0.60 | |
| Y5P | 471 K | 6.5 | 3.5 | 7.5 | 0.6 | 8.0 | 4.5 | 10.0 | 0.7 | 8.0 | 4.5 | 10.0 | 0.70 | |
| Y5U | 471 K | | | | | 6.0 | 4.5 | 10.0 | 0.6 | 6.0 | 4.5 | 10.0 | 0.60 | |
| Y5P | 561 K | | | | | 9.0 | 4.5 | 10.0 | 0.7 | 9.0 | 4.5 | 10.0 | 0.70 | |
| Y5U | 561 K | | | | | 7.0 | 4.5 | 10.0 | 0.6 | 7.0 | 4.5 | 10.0 | 0.60 | |
| Y5P | 681 K | 7.5 | 3.5 | 7.5 | 0.6 | 9.0 | 4.5 | 10.0 | 0.7 | 9.0 | 4.5 | 10.0 | 0.70 | |
| Y5P | 102 K | 9.0 | 3.5 | 7.5 | 0.6 | 11.0 | 4.5 | 10.0 | 0.7 | 11.0 | 4.5 | 10.0 | 0.70 | |
| Y5U | 102 M | | | | | 7.0 | 4.5 | 10.0 | 0.6 | 7.0 | 4.5 | 10.0 | 0.60 | |
| Y5V | 102 M | | | | | 6.0 | 4.5 | 10.0 | 0.6 | 6.0 | 4.5 | 10.0 | 0.60 | |
| Y5U | 152 M | 8.0 | 3.5 | 7.5 | 0.6 | 9.0 | 4.5 | 10.0 | 0.6 | 9.0 | 4.5 | 10.0 | 0.60 | |
| Y5V | 152 M | 6.0 | 3.5 | 7.5 | 0.6 | 7.0 | 4.5 | 10.0 | 0.6 | 7.0 | 4.5 | 10.0 | 0.60 | |
| Y5U | 222 M | 9.0 | 3.5 | 7.5 | 0.6 | 10.0 | 4.5 | 10.0 | 0.7 | 10.0 | 4.5 | 10.0 | 0.70 | |
| Y5V | 222 M | 7.0 | 3.5 | 7.5 | 0.6 | 8.0 | 4.5 | 10.0 | 0.7 | 8.0 | 4.5 | 10.0 | 0.70 | |
| Y5U | 332 M | 11.0 | 3.5 | 7.5 | 0.6 | 13.5 | 4.5 | 10.0 | 0.7 | 13.5 | 4.5 | 10.0 | 0.70 | |
| Y5V | 332 M | 8.0 | 3.5 | 7.5 | 0.6 | 10.0 | 4.5 | 10.0 | 0.7 | 10.0 | 4.5 | 10.0 | 0.70 | |
| Y5U | 472 M | 13.0 | 3.5 | 10.0 | 0.7 | 16.5 | 5.0 | 10.0 | 0.7 | 16.5 | 5.0 | 10.0 | 0.70 | |
| Y5V | 472 M | 9.0 | 3.5 | 7.5 | 0.6 | 11.0 | 4.5 | 10.0 | 0.7 | 11.0 | 4.5 | 10.0 | 0.70 | |
| Y5U | 103 M | 17.5 | 3.5 | 10.0 | 0.7 | | | | | | | | | |
| Y5V | 103 M | 13.5 | 3.5 | 10.0 | 0.7 | | | | | | | | | |
| Y5V | 203 M | 20.5 | 3.5 | 10.0 | 0.7 | | | | | | | | | |
| Y5V | 223 M | 20.5 | 3.5 | 10.0 | 0.7 | | | | | | | | | |

Ammo Taped and Cut Leads are available on request. Special size is on request too.

Please consult to sales if you need higher voltage than 6KV or other values.