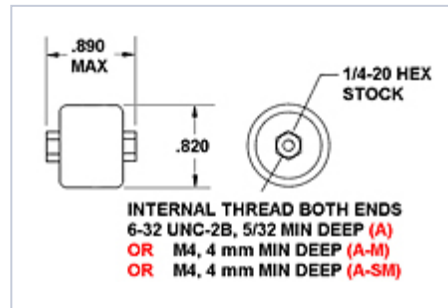


HT50 Series Ceramic Capacitors

- 7.5 kV_{DC} Working Voltage
- 10 kVA Max Power
- 10 to 700 pF Capacitance
- 0.820" Diameter x 0.890" Maximum Length
- Choice of four Class I TC's



| Part Number | CAP | Dielectric (TC) | V _{MAX} (DC) | f _L | S _{MAX} | f _H | I _{MAX} (RMS) |
|-------------------|-------|-----------------|-----------------------|----------------|------------------|----------------|------------------------|
| <u>HT50V100KA</u> | 10 pF | NP0 | 7.5 kV | 5.65 MHz | 10 kV·A | 84.7 MHz | 7.3 A |
| <u>HT50V150KA</u> | 15 pF | NP0 | 7.5 kV | 3.77 MHz | 10 kV·A | 56.5 MHz | 7.3 A |
| <u>HT50V250KA</u> | 25 pF | NP0 | 7.5 kV | 2.26 MHz | 10 kV·A | 39.7 MHz | 7.9 A |
| <u>HT50V300KA</u> | 30 pF | NP0 | 7.5 kV | 1.88 MHz | 10 kV·A | 33.9 MHz | 8.0 A |
| <u>HT50V350KA</u> | 35 pF | NP0 | 7.5 kV | 1.62 MHz | 10 kV·A | 31.3 MHz | 8.3 A |
| <u>HT50V400KA</u> | 40 pF | NP0 | 7.5 kV | 1.4 MHz | 10 kV·A | 27.4 MHz | 8.3 A |
| <u>HT50V450KA</u> | 45 pF | NP0 | 7.5 kV | 1.26 MHz | 10 kV·A | 24.9 MHz | 8.4 A |
| <u>HT50V500KA</u> | 50 pF | NP0 | 7.5 kV | 1.13 MHz | 10 kV·A | 23.0 MHz | 8.5 A |
| <u>HT50V550KA</u> | 55 pF | NP0 | 7.5 kV | 1.03 MHz | 10 kV·A | 21.4 MHz | 8.6 A |
| <u>HT50V600KA</u> | 60 pF | NP0 | 7.5 kV | 0.942 MHz | 10 kV·A | 20.1 MHz | 8.7 A |

| <u>Part Number</u> | <u>CAP</u> | <u>Dielectric (TC)</u> | <u>V_{MAX} (DC)</u> | <u>f_L</u> | <u>S_{MAX}</u> | <u>f_H</u> | <u>I_{MAX} (RMS)</u> |
|--------------------|--------------|------------------------|-----------------------------|----------------------|------------------------|----------------------|------------------------------|
| <u>HT50V650KA</u> | 65 pF | NP0 | 7.5 kV | 0.870 MHz | 10 kV·A | 19.4 MHz | 8.9 A |
| <u>HT50V750KA</u> | 75 pF | N750 | 7.5 kV | 0.754 MHz | 10 kV·A | 19.9 MHz | 9.7 A |
| <u>HT50V101KA</u> | 100 pF | N750 | 7.5 kV | 0.565 MHz | 10 kV·A | 15.0 MHz | 9.7 A |
| <u>HT50V151KA</u> | 150 pF | N750 | 7.5 kV | 0.377 MHz | 10 kV·A | 11.0 MHz | 10.2 A |
| <u>HT50V171KA</u> | 170 pF | N750 | 7.5 kV | 0.333 MHz | 10 kV·A | 10.1 MHz | 10.4 A |
| <u>HT50V201KA</u> | 200 pF | N3300 | 7.5 kV | 0.283 MHz | 10 kV·A | 3.78 MHz | 6.9 A |
| <u>HT50V301KA</u> | 300 pF | N3300 | 7.5 kV | 0.188 MHz | 10 kV·A | 2.90 MHz | 7.4 A |
| <u>HT50V401KA</u> | 400 pF | N3300 | 7.5 kV | 0.141 MHz | 10 kV·A | 2.36 MHz | 7.7 A |
| <u>HT50V501KA</u> | 500 pF | N5250 | 7.5 kV | 0.113 MHz | 10 kV·A | 1.69 MHz | 7.3 A |
| <u>HT50V601KA</u> | 600 pF | N5250 | 7.5 kV | 0.0942 MHz | 10 kV·A | 1.49 MHz | 7.5 A |
| <u>HT50V701KA</u> | 700 pF | N5250 | 7.5 kV | 0.0808 MHz | 10 kV·A | 1.42 MHz | 7.9 A |
| <u>HT50_CUSTOM</u> | 10 to 700 pF | N/A | N/A | N/A | N/A | N/A | N/A |