

## Electrotek Model R500 - Packaged Capacitor

### Capacitor Specification

|  |  |
|--|--|
| <b>Manufactured by</b>                         | Vishay Electronic GmbH (Roederstein), Germany  |
| <b>Voltage Ratings</b>                         | 240 - 999 V  |
| <b>Maximum kVAR per 3 phase casing (60 Hz)</b> | 13.6 kVAR @ 208V (rated 16.3 kVAR @ 240V)<br>25.0 kVAR @ 480V (rated 30.0 kVAR @ 525V)<br>25.0 kVAR @ 600V (rated 33.0 kVAR @ 690V)<br>10.0 kVAR @ 600V (rated 28.0 kVAR @ 999V)                     |
| <b>Specifications</b>                          | UL and cUL, CSA CAN3-C155-M84 (1986), CSA C22.2 No. 190-M1985, IEC Publication 831-1, 831-2, VDE 560-47, 560-47, EN60831-1, EN60831-2  |
| <b>Insulation (wet and dry options)</b>        | wet, 'Ro' series: non-PCB, natural oil impregnant, flash / ignition points 285/315°C<br>dry, 'Rg' series: non-PCB, dry / gas agent<br><br>'Ro' and 'Rg' series are both biodegradable and non-toxic. |
| <b>Electrodes</b>                              | vacuum-metallized on one side of the plastic film  |
| <b>Ambient Temperature</b>                     | -40°C to +45°C; storage temperature -40°C to +60°C   |
| <b>Inrush Current</b>                          | maximum 300 times rated current  |
| <b>Loading Capacity</b>                        | 1.10 times rated voltage, 1.30 times rated current, 1.50 times rated output  |
| <b>Frequency Ratings</b>                       | 50 or 60 Hz  |
| <b>Capacitor Casing</b>                        | seamless aluminum  |
| <b>Losses</b>                                  | ≤ 0.25 Watts per kVAR  |
| <b>Discharge Resistors</b>                     | 50V or less in one minute after disconnection of supply voltage  |
| <b>Dielectric</b>                              | polypropylene film   |
| <b>Safety Features</b>                         | self-healing<br>over pressure tear-off fuse / pressure sensitive circuit interrupter / internally fused up to 10kAIC, grounding / mounting stud at base of capacitor for easy mounting / replacement |
| <b>Special Applications</b>                    | designed for use in harmonic filters   |

### Assembly Specification

|                       |                              |
|-----------------------|------------------------------|
|                       | <b>Electrotek Model R500</b> |
| <b>Complete with:</b> | wire nuts or terminal block  |
|                       | HRC fusing on 100 kVAR+      |
|                       | NEMA 3R galvanized enclosure |



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| Available Options | Electrotek Model R500  |
|-------------------|--|
|                   | HRC fusing (option for under 100 kVAr, standard for over 100 kVAr) |
|                   | blown fuse indicators  |
|                   | LED current indicators   |
|                   | contactors, c/w: pre-charge coils                                  |
|                   | inrush current limiters  |
|                   | iron core 3 phase reactors for harmonic contaminated environments  |
|                   | disconnect device  |
|                   | NEMA 1, 2, or 12 galvanized enclosures                             |
|                   | powder coated enclosures   |

