

# LC2

## High Power Resonant Capacitors



### FEATURES

High AC Voltage - High current

### APPLICATIONS

Induction Heating - Tank Circuits

|                          |                                                                    |
|--------------------------|--------------------------------------------------------------------|
| KVAR                     | 200                                                                |
| CAPACITANCE TOLERANCE    | +/-10%                                                             |
| MAXIMUM CORE TEMPERATURE | +85°C                                                              |
| SURFACE TEMPERATURE      | +45°C<br>(Above 45°C the KVAR rating must be de-rated by 2.25%/°C) |
| CONSTRUCTION             | Self-healing                                                       |
| SELF INDUCTANCE          | <5 nH                                                              |
| DIELECTRIC               | Polypropylene                                                      |
| FLAME RETARDANT          | UL94V0                                                             |

### Standard part listing

| Capacitance<br>(μF) | VAC | IC part number | Maximum<br>RMS<br>current<br>(A) | MAX<br>power<br>kvar | Frequency<br>range<br>(kHz) | ESR<br>(mΩ)<br>100kHz,<br>+25°C | Dimensions (mm) |    |    | Terminal<br>Style |
|---------------------|-----|----------------|----------------------------------|----------------------|-----------------------------|---------------------------------|-----------------|----|----|-------------------|
|                     |     |                |                                  |                      |                             |                                 | B               | H  | L  |                   |
| 0.33                | 700 | 334LC2700K5HM6 | 300                              | 200                  | 196 – 216                   | 1.0                             | 34              | 50 | 50 | 5HM6              |
| 0.66                | 600 | 664LC2600K5HM6 | 350                              | 200                  | 135 – 149                   | 0.8                             | 34              | 50 | 50 | 5HM6              |
| 1.20                | 500 | 125LC2500K5HM6 | 400                              | 200                  | 105                         | 0.5                             | 34              | 50 | 50 | 5HM6              |
| 1.50                | 500 | 155LC2500K5HM6 | 400                              | 200                  | 85 - 108                    | 0.3                             | 34              | 50 | 50 | 5HM6              |
| 2.60                | 400 | 265LC2400K5HM6 | 450                              | 200                  | 80 - 96                     | 0.2                             | 34              | 50 | 50 | 5HM6              |



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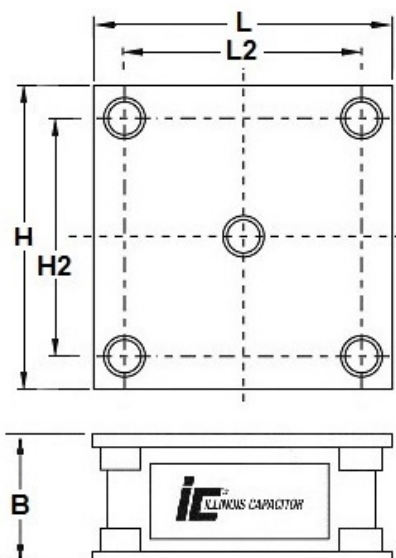
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LEAD STYLE: 5HM6



| L                           | H      | B      | H2     | L2     |
|-----------------------------|--------|--------|--------|--------|
| 50±1.0                      | 50±1.0 | 34±0.5 | 36±1.0 | 36±1.0 |
| Mounting Holes: M6 Tap      |        |        |        |        |
| Tightening torque: 20Nm MAX |        |        |        |        |

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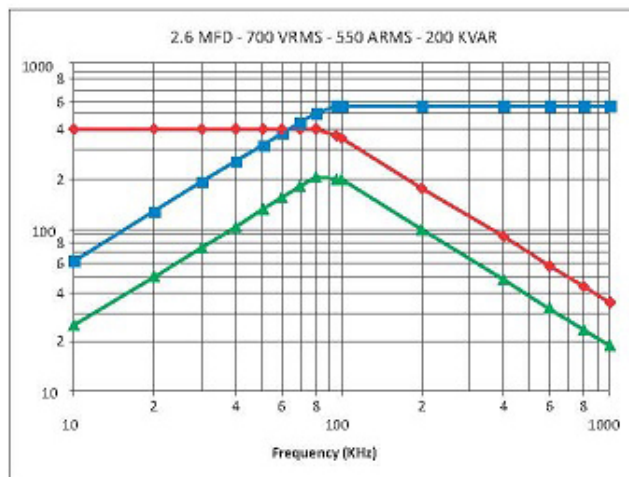
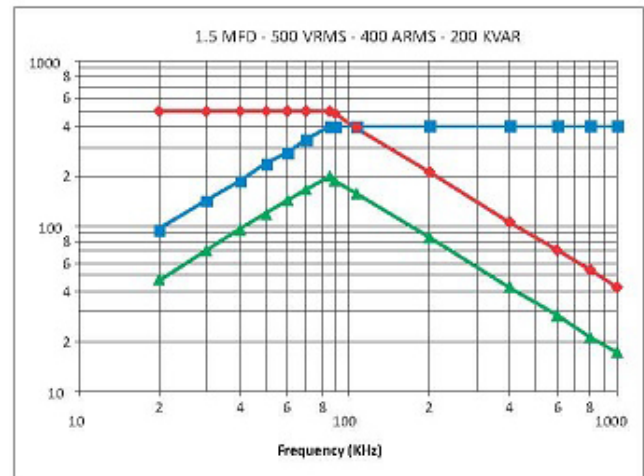
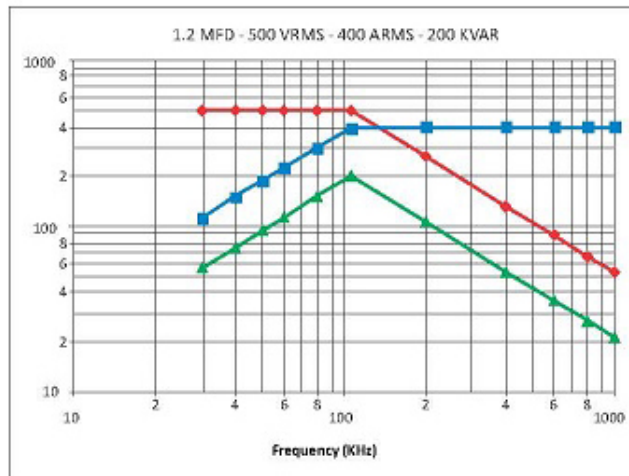
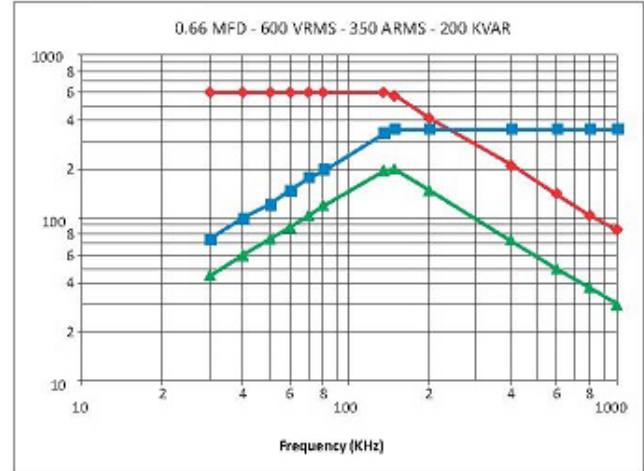
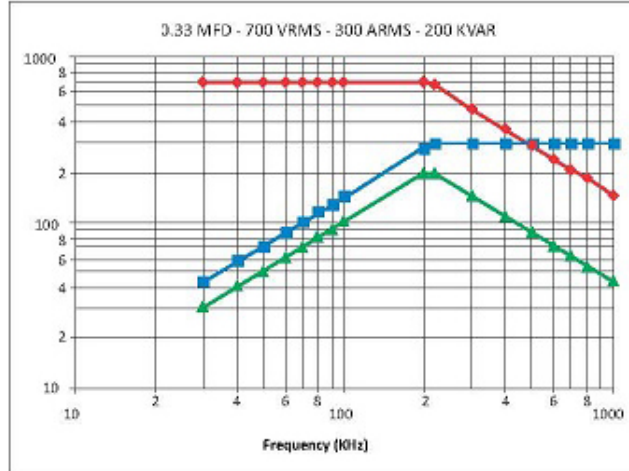
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### Frequency Derating

—●— Voltage —■— Current —▲— Power



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