



### FEATURES

High AC Voltage - High current

### APPLICATIONS

Induction Heating - Tank Circuits

|                          |                                                                    |
|--------------------------|--------------------------------------------------------------------|
| KVAR                     | 300                                                                |
| 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

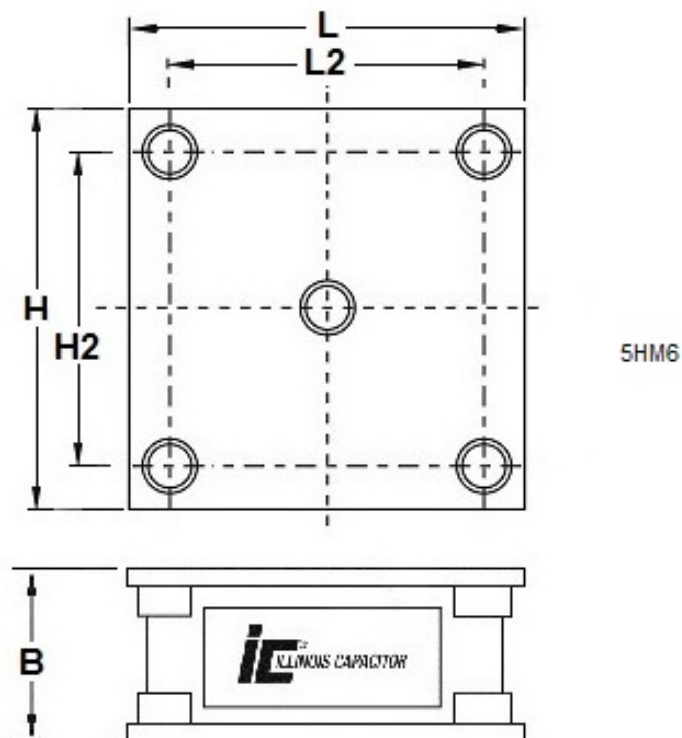
| Capacitance (µF) | VAC  | IC part number    | Maximum RMS current (A) | MAX power kvar | Frequency range (kHz) | ESR (mΩ) 100kHz, +25°C | Dimensions (mm) |    |    | Terminal Style |
|------------------|------|-------------------|-------------------------|----------------|-----------------------|------------------------|-----------------|----|----|----------------|
|                  |      |                   |                         |                |                       |                        | B               | H  | L  |                |
| 0.1              | 1000 | 104LC3102KL505HM6 | 350                     | 300            | 476-649               | 1.2                    | 34              | 50 | 50 | 5HM6           |
| 0.2              | 1000 | 204LC3102KL505HM6 | 500                     | 300            | 238-423               | 1.2                    | 34              | 50 | 50 | 5HM6           |
| 0.25             | 700  | 254LC3700KL505HM6 | 500                     | 300            | 390-530               | 1.2                    | 34              | 50 | 50 | 5HM6           |
| 0.33             | 700  | 334LC3700KL505HM6 | 500                     | 300            | 295-401               | 1                      | 34              | 50 | 50 | 5HM6           |
| 0.66             | 700  | 664LC3700KL505HM6 | 500                     | 300            | 147-200               | 0.8                    | 34              | 50 | 50 | 5HM6           |
| 1                | 600  | 105LC3600KL505HM6 | 650                     | 300            | 132-223               | 0.5                    | 34              | 50 | 50 | 5HM6           |
| 1.2              | 600  | 125LC3600KL505HM6 | 650                     | 300            | 111-187               | 0.5                    | 34              | 50 | 50 | 5HM6           |
| 1.32             | 600  | 135LC3600KL505HM6 | 650                     | 300            | 100-170               | 0.3                    | 34              | 50 | 50 | 5HM6           |
| 2.4              | 500  | 245LC3500KL505HM6 | 650                     | 300            | 80-97                 | 0.2                    | 34              | 50 | 50 | 5HM6           |
| 0.25             | 700  | 254LC3700K5LM8    | 500                     | 300            | 390-530               | 1.2                    | 34              | 78 | 78 | 5LM8           |
| 0.33             | 700  | 334LC3700K5LM8    | 500                     | 300            | 295-401               | 1                      | 34              | 78 | 78 | 5LM8           |
| 0.66             | 700  | 664LC3700K5LM8    | 500                     | 300            | 147-200               | 0.8                    | 34              | 78 | 78 | 5LM8           |
| 1                | 600  | 105LC3600K5LM8    | 650                     | 300            | 132-223               | 0.5                    | 34              | 78 | 78 | 5LM8           |
| 1.2              | 600  | 125LC3600K5LM8    | 650                     | 300            | 111-187               | 0.5                    | 34              | 78 | 78 | 5LM8           |
| 1.32             | 600  | 135LC3600K5LM8    | 650                     | 300            | 100-170               | 0.3                    | 34              | 78 | 78 | 5LM8           |
| 2.4              | 500  | 245LC3500K5LM8    | 650                     | 300            | 80-97                 | 0.2                    | 34              | 78 | 78 | 5LM8           |
| 2.6              | 500  | 265LC3500K5LM8    | 650                     | 300            | 72-85                 | 0.2                    | 34              | 78 | 78 | 5LM8           |
| 5                | 400  | 505LC3400K5LM8    | 800                     | 300            | 59-67                 | 0.1                    | 34              | 78 | 78 | 5LM8           |

# LC3

## High Power Resonant Capacitors



LEAD STYLE: 5HM6, 5LM8



| Style                       | L            | H            | B            | H2 | L2 | Mounting holes |
|-----------------------------|--------------|--------------|--------------|----|----|----------------|
| 5HM6                        | 50 $\pm$ 1.0 | 50 $\pm$ 1.0 | 34 $\pm$ 0.5 | 36 | 36 | M6 Tap         |
| 5LM8                        | 78 $\pm$ 1.0 | 78 $\pm$ 1.0 | 34 $\pm$ 0.5 | 62 | 62 | M8 Tap         |
| Tightening torque: 20Nm MAX |              |              |              |    |    |                |

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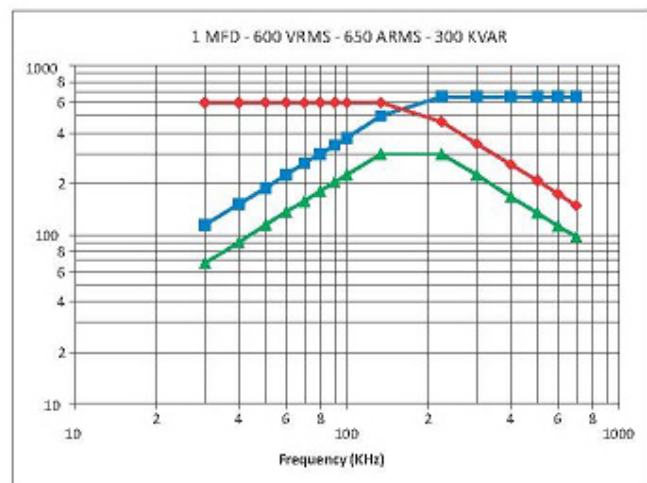
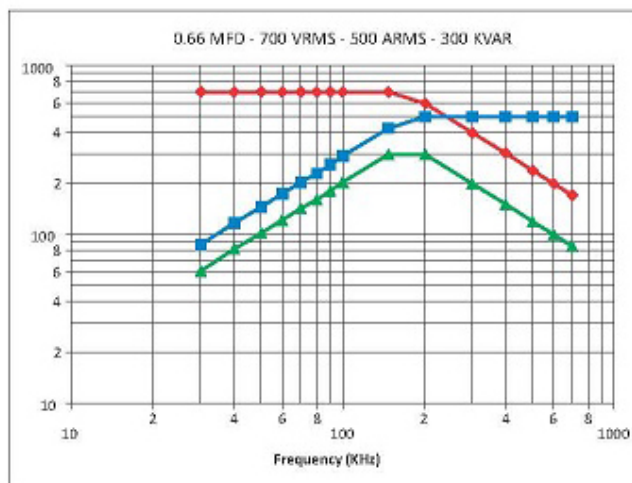
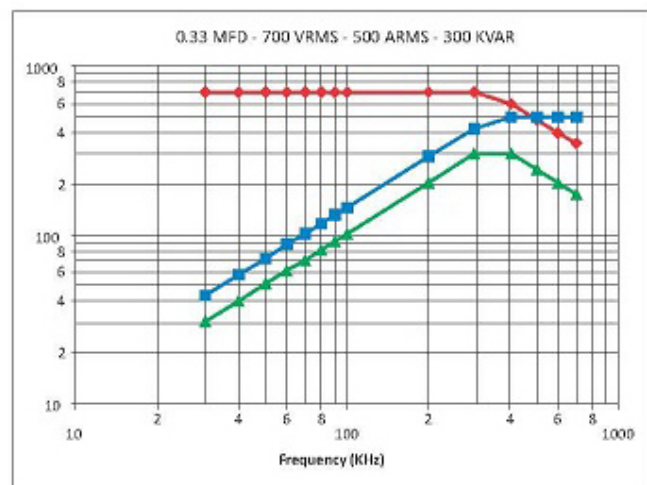
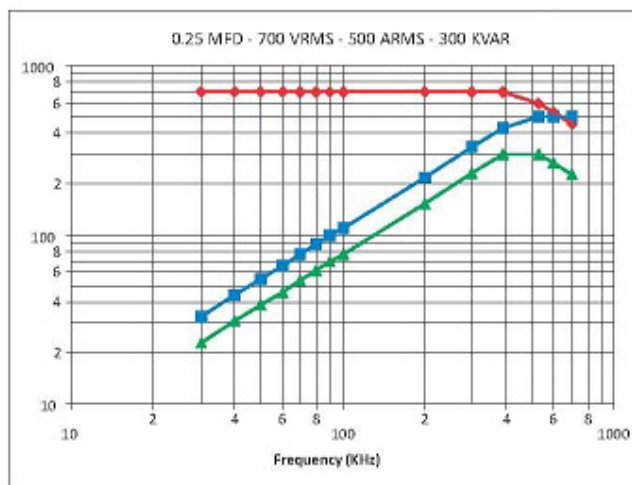
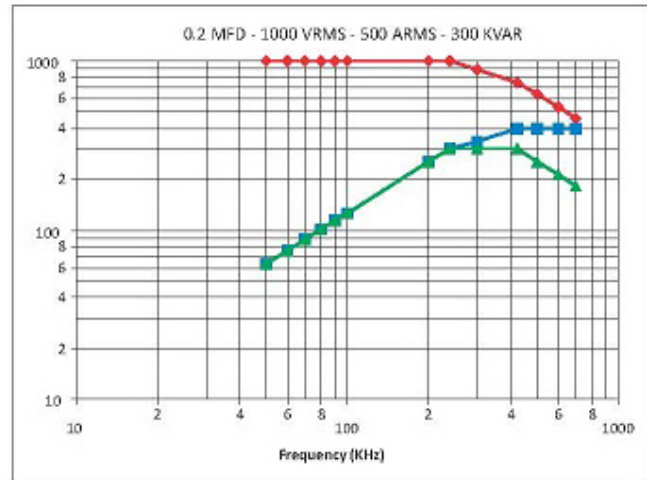
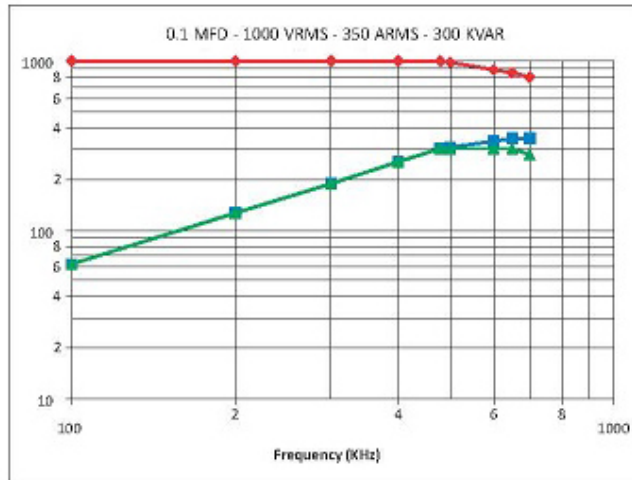
# LC3

## High Power Resonant Capacitors



### Frequency Derating

—●— Voltage —■— Current —▲— Power



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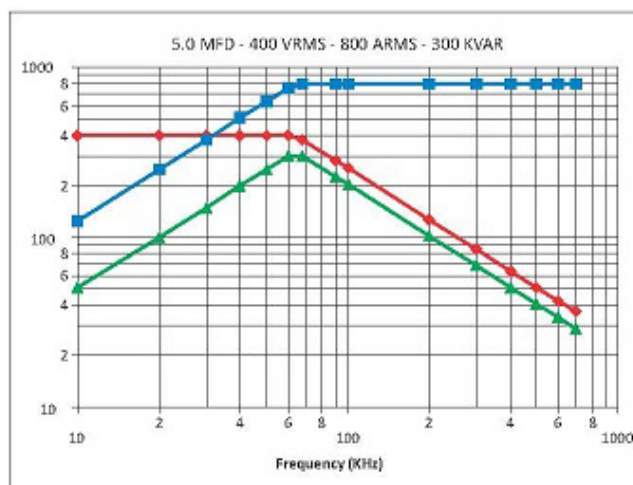
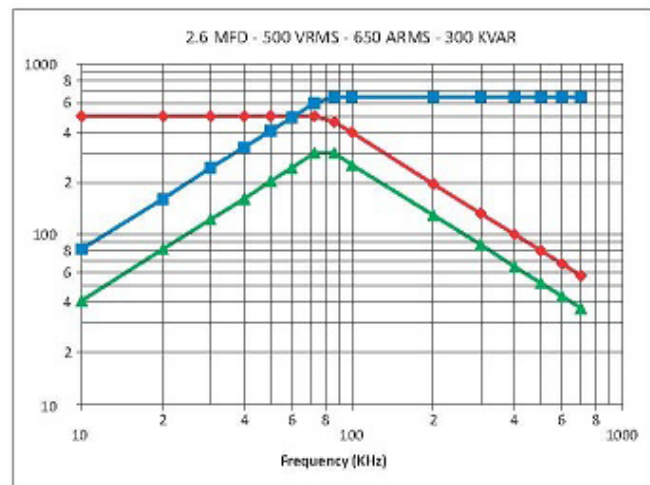
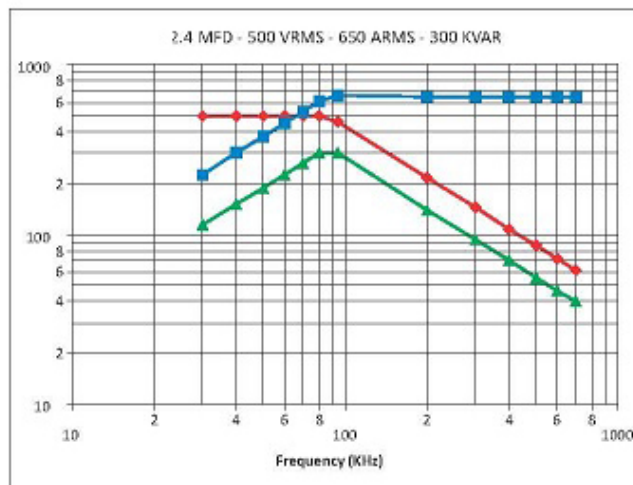
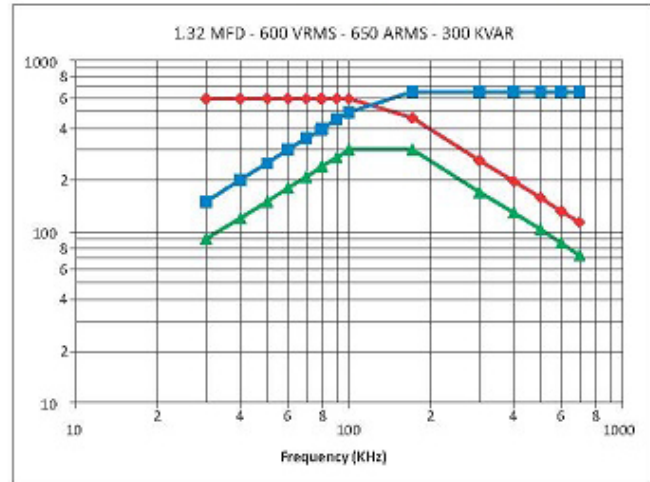
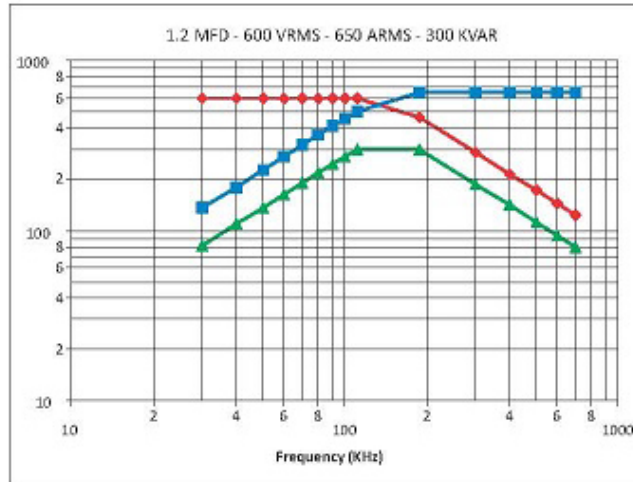
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