

EPCOS Product Profile 2012

# Power Capacitors

for Industrial Applications and Renewable Energy



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EPCOS is continually improving its processes and thus the quality of its products and services. The Group is ISO/TS 16949 certified and remains committed to constantly reviewing and systematically improving its quality management system.

# Power Capacitors for Industrial Applications and Renewable Energy



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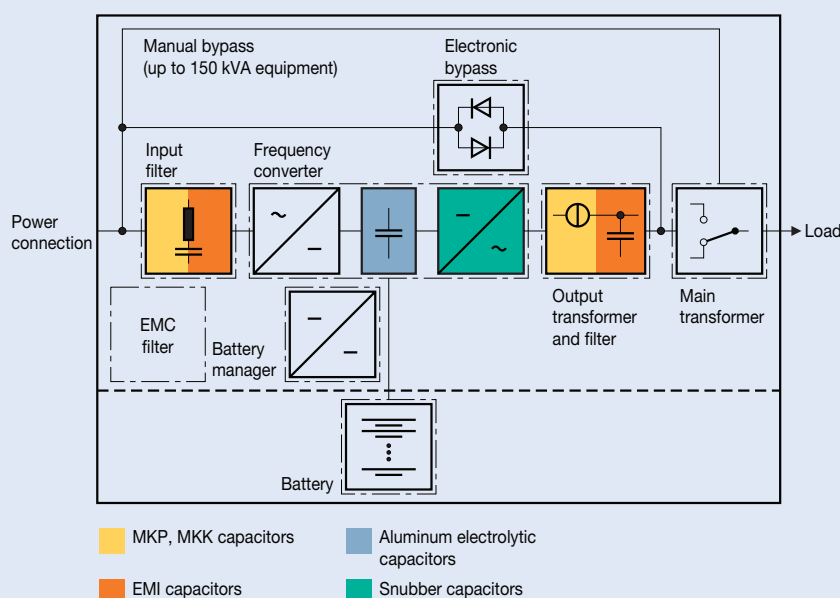
# Power Capacitors for UPS Systems and Filter Applications

## Benefits

- Resin filling, non-PCB, soft polyurethane
- Safety device: overpressure disconnecter, self-healing properties
- Mounting and grounding by stud on bottom of aluminum can
- Naturally air-cooled or forced air cooling
- Indoor mounting
- Reference standards IEC1071
- UL approval file E106388



## Block diagram of capacitors needed in state-of-the-art UPS systems



## Characteristics

| Series |                                                                                     | Technical data                                                                                                                                          | Features                                                                                                               | Type                                           |
|--------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| MKP AC |  | $C_R$ : 3 ... 600 $\mu$ F<br>$V_{RMS}$ : 250 ... 600 V AC<br>$T_{op}$ : -40 ... +70 °C<br>Five different terminal types<br>IEC1071, UL E106388 approved | High peak current capability<br>Customized configurations<br>Overpressure disconnecter<br>Self-healing<br>Aluminum can | B32360<br>B32361<br>B32362<br>B32363<br>B32364 |

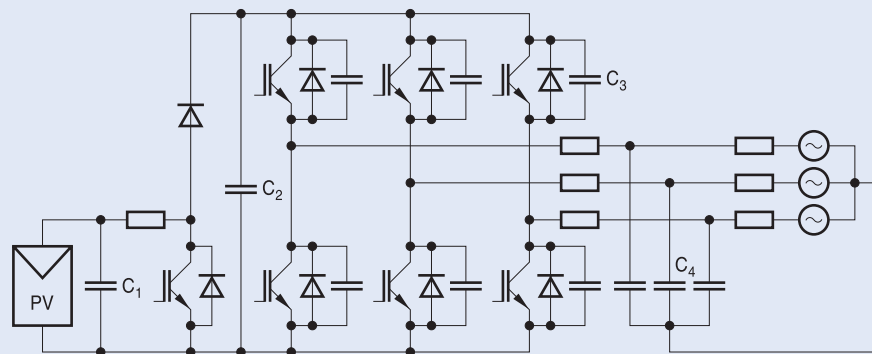
# Power Capacitors for Solar Inverter in Photovoltaic Systems

## Benefits

- Overvoltage and overcurrent protection
- Long-term stability and reliability
- Approved materials and components acc. to UL
- Self-healing properties
- Lower equivalent serial resistance (ESR) and inductance (ESL)
- Stability of electrical parameters over time and temperature



## Schematic circuit



## Characteristics

| Series                   |                                                                                     | Technical data                                                                                                                                          | Features                                                                                                               | Type                                                     |
|--------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| DC link capacitors       |                                                                                     |                                                                                                                                                         |                                                                                                                        |                                                          |
| MKP DC                   |  | $C_R$ : 30 ... 1500 $\mu$ F<br>$V_R$ : 880 ... 1320 V DC<br>$T_{op}$ : -55 ... +70 °C<br>Six different terminal types<br>IEC1071 approved               | High peak current capability<br>Customized configurations<br>Self-healing<br>Aluminum can                              | B25620<br>B25621<br>B25622<br>B25623<br>B25624<br>B25625 |
| MKP DC LSI               |  | $C_R$ : 50 ... 280 $\mu$ F<br>$V_R$ : 600 ... 1200 V DC<br>$T_{op}$ : -55 ... +70 °C<br>Different terminal types<br>IEC1071 approved                    | High peak current capability<br>Customized configurations<br>Self-healing<br>Low self inductance<br>Plastic can        | B25630<br>B25631<br>B25632<br>B25633<br>B25634<br>B25635 |
| Output filter capacitors |                                                                                     |                                                                                                                                                         |                                                                                                                        |                                                          |
| MKP AC                   |  | $C_R$ : 3 ... 600 $\mu$ F<br>$V_{RMS}$ : 250 ... 600 V AC<br>$T_{op}$ : -40 ... +70 °C<br>Five different terminal types<br>IEC1071, UL E106388 approved | High peak current capability<br>Customized configurations<br>Overpressure disconnecter<br>Self-healing<br>Aluminum can | B32360<br>B32361<br>B32362<br>B32363<br>B32364           |

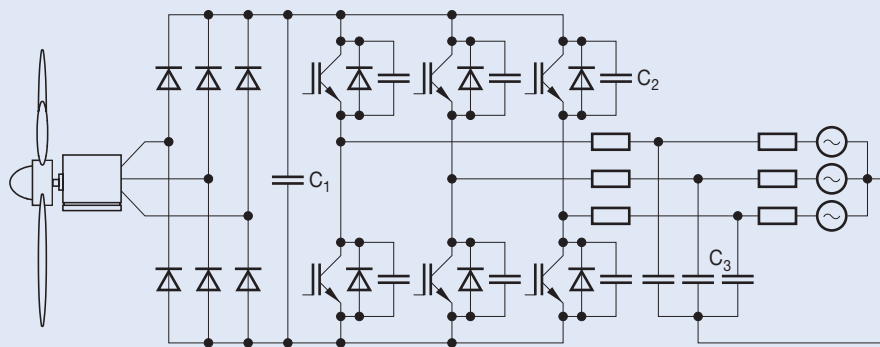
# Power Capacitors for Wind Power Generation

## Benefits

- Overvoltage and overcurrent protection
- Long-term stability and reliability
- Approved materials and components acc. to UL
- Self-healing properties
- Lower equivalent serial resistance (ESR) and inductance (ESL)
- Stability of electrical parameters over time and temperature



## Schematic circuit



## Characteristics

| Series                   | Technical data                                                                                                                                                                                                                                                                                                                                               | Features                                                                                                                                   | Type                                                     |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| DC link capacitors       |                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                            |                                                          |
| MKP DC                   |  <p> <math>C_R</math>: 30 ... 1500 <math>\mu</math>F<br/> <math>V_R</math>: 880 ... 1320 V DC<br/> <math>T_{op}</math>: -55 ... +70 °C<br/>                     Six different terminal types<br/>                     IEC1071 approved                 </p>               | High peak current capability<br>Customized configurations<br>Self-healing<br>Aluminum can                                                  | B25620<br>B25621<br>B25622<br>B25623<br>B25624<br>B25625 |
| MKP DC LSI               |  <p> <math>C_R</math>: 50 ... 280 <math>\mu</math>F<br/> <math>V_R</math>: 600 ... 1200 V DC<br/> <math>T_{op}</math>: -55 ... +70 °C<br/>                     Different terminal types<br/>                     IEC1071 approved                 </p>                    | High peak current capability<br>Customized configurations<br>Self-healing<br>Low self inductance<br>Plastic can                            | B25630<br>B25631<br>B25632<br>B25633<br>B25634<br>B25635 |
| Output filter capacitors |                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                            |                                                          |
| MKP AC                   |  <p> <math>C_R</math>: 3 ... 600 <math>\mu</math>F<br/> <math>V_{RMS}</math>: 250 ... 600 V AC<br/> <math>T_{op}</math>: -40 ... +70 °C<br/>                     Five different terminal types<br/>                     IEC1071, UL E106388 approved                 </p> | High peak current capability<br>Customized configurations<br>Overpressure disconnecter<br>Self-healing<br>Aluminum can                     | B32360<br>B32361<br>B32362<br>B32363<br>B32364           |
| MKP AC HP                |  <p> <math>C_R</math>: 10 ... 150 <math>\mu</math>F<br/> <math>V_{RMS}</math>: 550 ... 1000 V AC<br/> <math>T_{op}</math>: -40 ... +70 °C<br/>                     Different terminal types<br/>                     IEC1071 approved                 </p>                | High peak current capability<br>Customized configurations<br>Overpressure disconnecter<br>Self-healing<br>Oil impregnation<br>Aluminum can | B25360<br>B25361<br>B25362<br>B25363<br>B25364           |

# Technical Data for MKP DC Capacitors



| Characteristics                  |                  |                |                     |                   |                     |                  |             |                 |
|----------------------------------|------------------|----------------|---------------------|-------------------|---------------------|------------------|-------------|-----------------|
| $V_R$<br>V DC                    | $C_R$<br>$\mu F$ | $I_{max}$<br>A | $\hat{I}_{pk}$<br>A | $\hat{I}_s$<br>kA | $R_s$<br>m $\Omega$ | $L_{self}$<br>nH | D x H<br>mm | Ordering code * |
| MKP DC series: B25620 ... B25625 |                  |                |                     |                   |                     |                  |             |                 |
| 880                              | 160              | 40             | 640                 | 2.6               | 2.2                 | $\leq 80$        | 75 x 70     | B2562+B0167K881 |
|                                  | 220              | 50             | 880                 | 3.5               | 1.9                 | $\leq 60$        | 85 x 70     | B2562+B0227K881 |
|                                  | 260              | 45             | 1040                | 4.2               | 2.8                 | $\leq 80$        | 75 x 95     | B2562+B0267K881 |
|                                  | 350              | 50             | 1400                | 5.6               | 2.4                 | $\leq 60$        | 85 x 95     | B2562+B0357K881 |
|                                  | 400              | 45             | 1600                | 6.4               | 3.8                 | $\leq 80$        | 75 x 132    | B2562+B0407K881 |
|                                  | 440              | 65             | 1760                | 7.0               | 1.5                 | $\leq 60$        | 116 x 70    | B2562+B0447K882 |
|                                  | 480              | 55             | 1920                | 7.7               | 2.8                 | $\leq 60$        | 85 x 120    | B2562+B0487K881 |
|                                  | 550              | 50             | 2200                | 8.8               | 3.0                 | $\leq 60$        | 85 x 132    | B2562+B0557K881 |
|                                  | 700              | 70             | 2800                | 11.2              | 1.7                 | $\leq 60$        | 116 x 95    | B2562+B0707K882 |
|                                  | 750              | 55             | 3000                | 12.0              | 3.7                 | $\leq 60$        | 85 x 173    | B2562+B0757K881 |
|                                  | 970              | 75             | 3880                | 15.5              | 1.9                 | $\leq 60$        | 116 x 120   | B2562+B0977K882 |
|                                  | 1100             | 75             | 4400                | 17.6              | 2.0                 | $\leq 60$        | 116 x 132   | B2562+B0118K882 |
|                                  | 1500             | 80             | 6000                | 24.0              | 2.4                 | $\leq 60$        | 116 x 173   | B2562+B0158K882 |
| 1100                             | 100              | 35             | 400                 | 1.6               | 2.5                 | $\leq 80$        | 75 x 70     | B2562+B1107K101 |
|                                  | 140              | 45             | 560                 | 2.2               | 2.1                 | $\leq 60$        | 85 x 70     | B2562+B1147K101 |
|                                  | 170              | 40             | 680                 | 2.7               | 3.2                 | $\leq 80$        | 75 x 95     | B2562+B1177K101 |
|                                  | 230              | 40             | 920                 | 3.7               | 4.1                 | $\leq 80$        | 75 x 120    | B2562+B1237K101 |
|                                  | 260              | 40             | 1040                | 4.2               | 4.4                 | $\leq 80$        | 75 x 132    | B2562+B1267K101 |
|                                  | 280              | 60             | 1120                | 4.5               | 1.6                 | $\leq 60$        | 116 x 70    | B2562+B1287K102 |
|                                  | 310              | 50             | 1240                | 5.0               | 3.2                 | $\leq 60$        | 85 x 120    | B2562+B1317K101 |
|                                  | 350              | 40             | 1400                | 5.6               | 5.6                 | $\leq 80$        | 75 x 173    | B2562+B1357K101 |
|                                  | 400              | 55             | 1600                | 6.4               | 2.4                 | $\leq 60$        | 85 x 132    | B2562+B1407K101 |
|                                  | 420              | 55             | 1680                | 6.7               | 2.2                 | $\leq 60$        | 85 x 135    | B2562+B1427A101 |
|                                  | 450              | 65             | 1800                | 7.2               | 1.9                 | $\leq 60$        | 116 x 95    | B2562+B1457K102 |
|                                  | 480              | 50             | 1920                | 7.7               | 4.3                 | $\leq 60$        | 85 x 173    | B2562+B1487K101 |
|                                  | 610              | 70             | 2440                | 9.8               | 2.2                 | $\leq 60$        | 116 x 120   | B2562+B1617K102 |
|                                  | 700              | 70             | 2800                | 11.2              | 2.3                 | $\leq 60$        | 116 x 132   | B2562+B1707K102 |
|                                  | 940              | 70             | 3760                | 15.0              | 1.6                 | $\leq 60$        | 116 x 173   | B2562+B1947K102 |
|                                  | 1100             | 80             | 4400                | 17.6              | 1.5                 | $\leq 100$       | 116 x 223   | B2562+B1118K103 |
| 1320                             | 70               | 35             | 280                 | 1.1               | 2.8                 | $\leq 80$        | 75 x 70     | B2562+B1706K321 |
|                                  | 110              | 35             | 440                 | 1.8               | 3.8                 | $\leq 80$        | 75 x 95     | B2562+B1117K321 |
|                                  | 160              | 40             | 640                 | 2.6               | 4.6                 | $\leq 80$        | 75 x 120    | B2562+B1167K321 |
|                                  | 180              | 40             | 720                 | 2.9               | 5.1                 | $\leq 80$        | 75 x 132    | B2562+B1187K321 |
|                                  | 220              | 45             | 880                 | 3.5               | 3.6                 | $\leq 60$        | 85 x 120    | B2562+B1227K321 |
|                                  | 260              | 45             | 1040                | 4.2               | 3.9                 | $\leq 60$        | 85 x 132    | B2562+B1267K321 |
|                                  | 310              | 65             | 1240                | 5.0               | 2.0                 | $\leq 60$        | 116 x 95    | B2562+B1317K322 |
|                                  | 340              | 50             | 1360                | 5.4               | 4.9                 | $\leq 60$        | 85 x 173    | B2562+B1347K321 |
|                                  | 420              | 65             | 1680                | 6.7               | 2.4                 | $\leq 60$        | 116 x 120   | B2562+B1427K322 |
|                                  | 480              | 70             | 1920                | 7.7               | 2.6                 | $\leq 60$        | 116 x 132   | B2562+B1487K322 |
|                                  | 660              | 70             | 2640                | 10.5              | 3.1                 | $\leq 60$        | 116 x 173   | B2562+B1667K322 |

\* Replace the + by the code letter of terminal type:

0 = Female M6      1 = Male M6  
 2 = Female M8      3 = Male M8  
 4 = Female M10     5 = Male M10

# Technical Data for MKP DC LSI Capacitors



## Characteristics

| $V_R$<br>V DC                        | $C_R$<br>$\mu F$ | $I_{max}$<br>A | $\hat{I}_{pk}$<br>A | $\hat{I}_S$<br>kA | $R_S$<br>m $\Omega$ | $L_{self}$<br>nH | $R_{th}$<br>°C/W | D x H<br>mm | Ordering code * |
|--------------------------------------|------------------|----------------|---------------------|-------------------|---------------------|------------------|------------------|-------------|-----------------|
| MKP DC LSI series: B25630 ... B25635 |                  |                |                     |                   |                     |                  |                  |             |                 |
| 600                                  | 200              | 55             | 4.0                 | 12.0              | 1.2                 | 20               | 4.2              | 85 x 50     | B2563+A0207K600 |
|                                      | 280              | 65             | 3.7                 | 11.1              | 1.2                 | 30               | 5.5              | 85 x 65     | B2563+A0287K600 |
| 700                                  | 150              | 55             | 3.4                 | 10.2              | 1.2                 | 20               | 4.2              | 85 x 50     | B2563+A0157K700 |
|                                      | 220              | 65             | 3.3                 | 9.9               | 1.2                 | 30               | 5.5              | 85 x 65     | B2563+A0227K700 |
| 800                                  | 120              | 55             | 3.0                 | 9.0               | 1.2                 | 20               | 4.2              | 85 x 50     | B2563+A0127K800 |
|                                      | 180              | 65             | 3.0                 | 9.0               | 1.2                 | 30               | 5.5              | 85 x 65     | B2563+A0187K800 |
| 900                                  | 100              | 55             | 2.8                 | 8.4               | 1.3                 | 20               | 4.2              | 85 x 50     | B2563+A0107K900 |
|                                      | 140              | 60             | 2.7                 | 8.1               | 1.4                 | 30               | 5.5              | 85 x 65     | B2563+A0147K900 |
| 1000                                 | 75               | 50             | 2.4                 | 7.2               | 1.4                 | 20               | 4.2              | 85 x 50     | B2563+A1756K000 |
|                                      | 110              | 60             | 2.3                 | 6.9               | 1.4                 | 30               | 5.5              | 85 x 65     | B2563+A1117K000 |
| 1100                                 | 70               | 50             | 2.1                 | 6.3               | 1.5                 | 20               | 4.2              | 85 x 50     | B2563+A1706K100 |
|                                      | 100              | 60             | 2.1                 | 6.6               | 1.5                 | 30               | 5.5              | 85 x 65     | B2563+A1107K100 |
| 1200                                 | 50               | 50             | 2.0                 | 6.0               | 1.6                 | 20               | 4.2              | 85 x 50     | B2563+A1506K200 |
|                                      | 80               | 60             | 2.0                 | 6.0               | 1.8                 | 30               | 5.5              | 85 x 65     | B2563+A1806K200 |

\* Replace the + by the code letter of terminal type:

1 = Male M8

2 = Female M5

# Technical Data for MKP AC Capacitors



## Characteristics

| $V_{AC}/V_{RMS}$                                     | $C_R$<br>$\mu F$ | $I_{max}$<br>A | $\hat{I}_{pk}$<br>A | $\hat{I}_s$<br>kA | $R_s$<br>m $\Omega$ | $L_{self}$<br>nH | D × H<br>mm | Ordering code   |
|------------------------------------------------------|------------------|----------------|---------------------|-------------------|---------------------|------------------|-------------|-----------------|
| <b>MKP AC B32360 series with Fast-on terminals</b>   |                  |                |                     |                   |                     |                  |             |                 |
| 350/250                                              | 10               | 10             | 300                 | 0.9               | 6.9                 | 170              | 40.0 × 68   | B32360A2106J050 |
|                                                      | 15               | 12             | 450                 | 1.3               | 5.6                 | 170              | 40.0 × 68   | B32360A2156J050 |
|                                                      | 20               | 10             | 500                 | 1.5               | 5.4                 | 170              | 40.0 × 68   | B32360A2206J050 |
|                                                      | 25               | 12             | 600                 | 1.9               | 6.8                 | 170              | 40.0 × 80   | B32360B2256J050 |
|                                                      | 30               | 15             | 750                 | 2.2               | 4.6                 | 170              | 53.0 × 70   | B32360A2306J050 |
|                                                      | 40               | 16             | 1000                | 3.0               | 4.2                 | 170              | 53.0 × 70   | B32360A2406J050 |
|                                                      | 50               | 16             | 900                 | 2.8               | 5.1                 | 190              | 53.0 × 82   | B32360A2506J050 |
|                                                      | 60               | 16             | 1100                | 3.3               | 4.8                 | 190              | 53.0 × 82   | B32360A2606J050 |
|                                                      | 70               | 16             | 1300                | 3.8               | 4.6                 | 190              | 63.5 × 82   | B32360A2706J050 |
|                                                      | 80               | 16             | 1500                | 4.4               | 4.4                 | 190              | 63.5 × 82   | B32360A2806J050 |
|                                                      | 100              | 16             | 1200                | 3.6               | 6.0                 | 210              | 63.5 × 107  | B32360A2107J050 |
|                                                      | 150              | 16             | 1300                | 4.0               | 7.0                 | 250              | 63.5 × 132  | B32360B2157J050 |
| <b>MKP AC B32361 series with M6 screw terminals</b>  |                  |                |                     |                   |                     |                  |             |                 |
| 350/250                                              | 50               | 25             | 1250                | 3.8               | 3.7                 | 195              | 63.5 × 70   | B32361A2506J050 |
|                                                      | 60               | 25             | 1500                | 4.5               | 3.6                 | 195              | 63.5 × 70   | B32361A2606J050 |
|                                                      | 70               | 25             | 1300                | 3.8               | 4.2                 | 220              | 63.5 × 82   | B32361A2706J050 |
|                                                      | 80               | 25             | 1500                | 4.4               | 4.1                 | 220              | 63.5 × 82   | B32361A2806J050 |
|                                                      | 100              | 25             | 1200                | 3.6               | 5.5                 | 225              | 63.5 × 107  | B32361A2107J050 |
|                                                      | 150              | 25             | 1300                | 4.0               | 6.3                 | 265              | 63.5 × 132  | B32361A2157J050 |
|                                                      | 200              | 25             | 1600                | 4.8               | 6.3                 | 275              | 63.5 × 142  | B32361B2207J050 |
| <b>MKP AC B32362 series with M10 screw terminals</b> |                  |                |                     |                   |                     |                  |             |                 |
| 350/250                                              | 150              | 35             | 1800                | 5.4               | 2.5                 | 185              | 75.0 × 117  | B32362A2157J050 |
|                                                      | 200              | 50             | 2400                | 7.2               | 2.1                 | 185              | 85.0 × 117  | B32362B2207J050 |
|                                                      | 250              | 40             | 2000                | 6.0               | 3.0                 | 210              | 75.0 × 152  | B32362A2257J050 |
|                                                      | 300              | 50             | 3600                | 10.8              | 1.7                 | 200              | 75.0 × 197  | B32362A2307J050 |
|                                                      | 400              | 50             | 4800                | 14.4              | 1.5                 | 200              | 85.0 × 197  | B32362A2407J050 |
|                                                      | 500              | 50             | 4400                | 13.3              | 1.9                 | 230              | 85.0 × 247  | B32362B2507J050 |
|                                                      | 600              | 50             | 5300                | 16.0              | 1.8                 | 230              | 85.0 × 247  | B32362B2607J050 |
| <b>MKP AC B32364 series with M8 screw terminals</b>  |                  |                |                     |                   |                     |                  |             |                 |
| 350/250                                              | 60               | 25             | 1520                | 4.6               | 2.3                 | 170              | 63.5 × 70   | B32364A2606J050 |
|                                                      | 80               | 25             | 1480                | 4.4               | 2.7                 | 180              | 63.5 × 82   | B32364A2806J050 |
|                                                      | 100              | 25             | 1200                | 3.6               | 3.8                 | 200              | 63.5 × 107  | B32364A2107J050 |
|                                                      | 150              | 35             | 1800                | 5.4               | 3.1                 | 210              | 75.0 × 117  | B32364A2157J050 |
|                                                      | 200              | 35             | 1777                | 5.3               | 3.7                 | 230              | 75.0 × 142  | B32364B2207J050 |
|                                                      | 250              | 35             | 2000                | 6.0               | 3.8                 | 240              | 75.0 × 152  | B32364A2257J050 |
|                                                      | 300              | 35             | 3600                | 10.8              | 2.5                 | 240              | 75.0 × 197  | B32364A2307J050 |

# Technical Data for MKP AC Capacitors



## Characteristics

| $V_{AC}/V_{RMS}$                                     | $C_R$<br>$\mu F$ | $I_{max}$<br>A | $\hat{I}_{pk}$<br>A | $\hat{I}_S$<br>kA | $R_S$<br>m $\Omega$ | $L_{self}$<br>nH | D x H<br>mm | Ordering code   |
|------------------------------------------------------|------------------|----------------|---------------------|-------------------|---------------------|------------------|-------------|-----------------|
| <b>MKP AC B32360 series with Fast-on terminals</b>   |                  |                |                     |                   |                     |                  |             |                 |
| 460/330                                              | 10               | 12             | 300                 | 0.9               | 6.9                 | 170              | 53.0 x 70   | B32360A3106J030 |
|                                                      | 15               | 12             | 450                 | 1.3               | 5.6                 | 170              | 53.0 x 70   | B32360A3156J030 |
|                                                      | 20               | 13             | 600                 | 1.8               | 5.0                 | 170              | 53.0 x 70   | B32360A3206J030 |
|                                                      | 25               | 15             | 750                 | 2.3               | 4.6                 | 170              | 53.0 x 70   | B32360A3256J030 |
|                                                      | 30               | 15             | 650                 | 2.0               | 5.7                 | 190              | 53.0 x 82   | B32360A3306J030 |
|                                                      | 40               | 15             | 850                 | 2.7               | 5.1                 | 190              | 53.0 x 82   | B32360B3406J030 |
|                                                      | 50               | 15             | 700                 | 2.2               | 7.3                 | 210              | 53.0 x 107  | B32360A3506J030 |
|                                                      | 60               | 16             | 850                 | 2.6               | 6.8                 | 210              | 53.0 x 107  | B32360B3606J030 |
|                                                      | 70               | 16             | 1000                | 3.0               | 6.4                 | 210              | 63.5 x 107  | B32360A3706J030 |
|                                                      | 80               | 16             | 1150                | 3.5               | 6.1                 | 210              | 63.5 x 107  | B32360A3806J030 |
|                                                      | 100              | 16             | 1050                | 3.2               | 7.6                 | 250              | 63.5 x 132  | B32360B3107J030 |
| <b>MKP AC B32361 series with M6 screw terminals</b>  |                  |                |                     |                   |                     |                  |             |                 |
| 460/330                                              | 50               | 18             | 920                 | 2.7               | 4.4                 | 220              | 63.5 x 82   | B32361B3506J030 |
|                                                      | 60               | 18             | 720                 | 2.1               | 6.2                 | 225              | 63.5 x 107  | B32361A3606J030 |
|                                                      | 70               | 20             | 840                 | 2.5               | 5.8                 | 225              | 63.5 x 107  | B32361A3706J030 |
|                                                      | 80               | 25             | 960                 | 2.8               | 5.5                 | 225              | 63.5 x 107  | B32361A3806J030 |
|                                                      | 100              | 25             | 880                 | 2.6               | 6.9                 | 265              | 63.5 x 132  | B32361B3107J030 |
| <b>MKP AC B32362 series with M10 screw terminals</b> |                  |                |                     |                   |                     |                  |             |                 |
| 460/330                                              | 100              | 30             | 1450                | 4.3               | 2.8                 | 185              | 75.0 x 117  | B32362A3107J030 |
|                                                      | 150              | 30             | 1450                | 4.3               | 3.7                 | 210              | 75.0 x 152  | B32362A3157J030 |
|                                                      | 200              | 40             | 1900                | 5.8               | 3.1                 | 210              | 85.0 x 152  | B32362B3207J030 |
|                                                      | 250              | 50             | 3600                | 10.8              | 1.7                 | 200              | 85.0 x 197  | B32362A3257J030 |
|                                                      | 300              | 50             | 4300                | 12.9              | 1.6                 | 200              | 85.0 x 197  | B32362A3307J030 |
|                                                      | 400              | 50             | 3850                | 11.6              | 2.1                 | 240              | 85.0 x 267  | B32362A3407J030 |
| <b>MKP AC B32364 series with M8 screw terminals</b>  |                  |                |                     |                   |                     |                  |             |                 |
| 460/330                                              | 50               | 25             | 1110                | 3.3               | 3.0                 | 180              | 63.5 x 82   | B32364A3506J030 |
|                                                      | 80               | 25             | 1150                | 3.5               | 3.9                 | 200              | 63.5 x 107  | B32364A3806J030 |
|                                                      | 100              | 30             | 1440                | 4.3               | 3.4                 | 210              | 75.0 x 117  | B32364B3107J030 |
|                                                      | 150              | 30             | 1450                | 4.3               | 4.5                 | 240              | 75.0 x 152  | B32364A3157J030 |
|                                                      | 200              | 35             | 2880                | 8.6               | 2.6                 | 240              | 75.0 x 197  | B32364A3207J030 |

# Technical Data for MKP AC Capacitors



## Characteristics

| $V_{AC}/V_{RMS}$                                     | $C_R$<br>$\mu F$ | $I_{max}$<br>A | $\hat{I}_{pk}$<br>A | $\hat{I}_s$<br>kA | $R_s$<br>m $\Omega$ | $L_{self}$<br>nH | D × H<br>mm | Ordering code   |
|------------------------------------------------------|------------------|----------------|---------------------|-------------------|---------------------|------------------|-------------|-----------------|
| <b>MKP AC B32360 series with Fast-on terminals</b>   |                  |                |                     |                   |                     |                  |             |                 |
| 680/480                                              | 3                | 6              | 120                 | 0.4               | 12.9                | 170              | 40.0 × 68   | B32360A4305J080 |
|                                                      | 5                | 8              | 200                 | 0.6               | 8.9                 | 170              | 40.0 × 68   | B32360A4505J080 |
|                                                      | 10               | 10             | 400                 | 1.2               | 6.0                 | 170              | 53.0 × 70   | B32360A4106J080 |
|                                                      | 15               | 15             | 600                 | 1.8               | 5.0                 | 170              | 53.0 × 70   | B32360A4156J080 |
|                                                      | 20               | 15             | 600                 | 1.7               | 6.0                 | 190              | 53.0 × 82   | B32360A4206J080 |
|                                                      | 25               | 15             | 500                 | 1.4               | 9.0                 | 210              | 53.0 × 107  | B32360A4256J080 |
|                                                      | 30               | 15             | 600                 | 1.7               | 8.2                 | 210              | 53.0 × 107  | B32360A4306J080 |
|                                                      | 40               | 16             | 750                 | 2.3               | 7.1                 | 210              | 63.5 × 107  | B32360A4406J080 |
|                                                      | 50               | 16             | 950                 | 2.9               | 6.5                 | 210              | 63.5 × 107  | B32360A4506J080 |
|                                                      | 60               | 16             | 850                 | 2.6               | 8.4                 | 250              | 63.5 × 132  | B32360A4606J080 |
|                                                      | 70               | 16             | 900                 | 2.7               | 8.8                 | 265              | 63.5 × 142  | B32360A4706J080 |
| <b>MKP AC B32361 series with M6 screw terminals</b>  |                  |                |                     |                   |                     |                  |             |                 |
| 680/480                                              | 20               | 20             | 800                 | 2.4               | 4.3                 | 195              | 63.5 × 70   | B32361A4206J080 |
|                                                      | 25               | 25             | 750                 | 2.2               | 5.2                 | 220              | 63.5 × 82   | B32361A4256J080 |
|                                                      | 30               | 25             | 800                 | 2.6               | 4.8                 | 220              | 63.5 × 82   | B32361A4306J080 |
|                                                      | 40               | 20             | 750                 | 2.3               | 6.6                 | 225              | 63.5 × 107  | B32361A4406J080 |
|                                                      | 50               | 25             | 950                 | 2.9               | 6.0                 | 225              | 63.5 × 107  | B32361A4506J080 |
|                                                      | 60               | 25             | 850                 | 2.6               | 7.7                 | 265              | 63.5 × 132  | B32361A4606J080 |
|                                                      | 70               | 25             | 900                 | 2.7               | 8.0                 | 275              | 63.5 × 142  | B32361A4706J080 |
| <b>MKP AC B32362 series with M10 screw terminals</b> |                  |                |                     |                   |                     |                  |             |                 |
| 680/480                                              | 60               | 30             | 1150                | 3.4               | 3.2                 | 185              | 75.0 × 117  | B32362A4606J080 |
|                                                      | 70               | 50             | 2050                | 6.2               | 1.7                 | 180              | 75.0 × 147  | B32362A4706J080 |
|                                                      | 80               | 50             | 1350                | 7.1               | 1.6                 | 180              | 75.0 × 147  | B32362A4806J080 |
|                                                      | 100              | 50             | 1900                | 5.7               | 2.3                 | 200              | 75.0 × 197  | B32362A4107J080 |
|                                                      | 150              | 50             | 2850                | 8.6               | 1.9                 | 200              | 85.0 × 197  | B32362A4157J080 |
|                                                      | 200              | 50             | 2850                | 8.5               | 2.3                 | 230              | 85.0 × 247  | B32362A4207J080 |
|                                                      | 250              | 50             | 3200                | 9.6               | 2.3                 | 240              | 85.0 × 267  | B32362A4257J080 |
| <b>MKP AC B32364 series with M8 screw terminals</b>  |                  |                |                     |                   |                     |                  |             |                 |
| 680/480                                              | 30               | 20             | 890                 | 2.7               | 3.4                 | 180              | 63.5 × 82   | B32364A4306J080 |
|                                                      | 50               | 20             | 960                 | 2.9               | 4.3                 | 200              | 63.5 × 107  | B32364A4506J080 |
|                                                      | 60               | 25             | 1150                | 3.5               | 3.9                 | 210              | 75.0 × 117  | B32364A4606J080 |
|                                                      | 80               | 35             | 2368                | 7.1               | 2.2                 | 210              | 75.0 × 147  | B32364A4806J080 |
|                                                      | 100              | 35             | 1921                | 5.8               | 3.1                 | 240              | 75.0 × 197  | B32364B4107J080 |

# Technical Data for MKP AC HP Capacitors



| Characteristics                     |                  |                |                     |                   |             |                 |
|-------------------------------------|------------------|----------------|---------------------|-------------------|-------------|-----------------|
| $V_{RMS}$                           | $C_R$<br>$\mu F$ | $I_{max}$<br>A | $\hat{I}_{pk}$<br>A | $\hat{I}_s$<br>kA | D x H<br>mm | Ordering code * |
| MKP AC HP series: B25360 ... B25364 |                  |                |                     |                   |             |                 |
| 550                                 | 33               | 45             | 1.9                 | 5.6               | 75 x 115    | B25360A5336J050 |
|                                     | 47               | 50             | 1.9                 | 5.7               | 75 x 140    | B25360A5476J050 |
|                                     | 68               | 50             | 3.8                 | 11.6              | 75 x 195    | B25360A5686J050 |
|                                     | 95               | 60             | 3.8                 | 11.5              | 75 x 245    | B25360A5956J050 |
|                                     | 130              | 60             | 5.2                 | 15.7              | 85 x 245    | B25360A5137J050 |
|                                     | 150              | 60             | 5.2                 | 15.8              | 85 x 270    | B25360A5157J050 |
| 640                                 | 22               | 40             | 1.5                 | 4.5               | 75 x 115    | B25360A6226J040 |
|                                     | 33               | 45             | 1.6                 | 4.8               | 75 x 140    | B25360A6336J040 |
|                                     | 50               | 50             | 3.2                 | 9.6               | 75 x 195    | B25360A6506J040 |
|                                     | 68               | 60             | 3.3                 | 9.8               | 75 x 245    | B25360A6686J040 |
|                                     | 90               | 60             | 4.3                 | 13.1              | 85 x 245    | B25360A6906J040 |
|                                     | 100              | 60             | 4.2                 | 12.6              | 85 x 270    | B25360A6107J040 |
| 780                                 | 15               | 35             | 1.2                 | 3.6               | 75 x 115    | B25360A7156J080 |
|                                     | 22               | 40             | 1.2                 | 3.7               | 75 x 140    | B25360A7226J080 |
|                                     | 33               | 50             | 2.6                 | 7.9               | 75 x 195    | B25360A7336J080 |
|                                     | 47               | 55             | 2.6                 | 7.9               | 75 x 245    | B25360A7476J080 |
|                                     | 75               | 60             | 3.7                 | 11.1              | 85 x 270    | B25360A7756J080 |
| 1000                                | 10               | 30             | 1.2                 | 3.6               | 75 x 115    | B25360A1106J100 |
|                                     | 20               | 40             | 1.5                 | 5.0               | 75 x 140    | B25360A1206J100 |
|                                     | 33               | 50             | 2.9                 | 8.7               | 75 x 245    | B25360A1336J100 |
|                                     | 47               | 60             | 4.1                 | 12.4              | 85 x 245    | B25360A1476J100 |
|                                     | 55               | 60             | 4.3                 | 12.8              | 85 x 270    | B25360A1556J100 |

\* Terminal type: Male M10

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