

| 250 Volt d.c. (160 Volt a.c.) |      | Dimensions |      |    | Lead Pitch | Mfrs. List No. | Order Code |
|-------------------------------|------|------------|------|----|------------|----------------|------------|
| µF                            | nF   | H          | W    | D  |            |                |            |
| 0.1                           | 100  | 10         | 12.5 | 4  | 10         | 2222 372 41104 | 108-801    |
| 0.15                          | 150  | 11         | 17.5 | 5  | 15         | 2222 373 41154 | 108-802    |
| 0.22                          | 220  | 11         | 17.5 | 5  | 15         | 2222 373 41224 | 108-803    |
| 0.47                          | 470  | 15.5       | 26   | 6  | 22.5       | 2222 373 90042 | 108-804    |
| 1.0                           | 1000 | 14.5       | 26   | 7  | 22.5       | 2222 373 90082 | 108-805    |
| 1.5                           | 1500 | 19         | 31   | 9  | 27.5       | 2222 373 90092 | 108-806    |
| 2.2                           | 2200 | 21         | 31   | 11 | 27.5       | 2222 373 90112 | 108-807    |

**Order Multiple=5**

| 250 Volt d.c. |                | Price Each |      |       |       |       |
|---------------|----------------|------------|------|-------|-------|-------|
| µF            | Order Code     | 5+         | 100+ | 1000+ | 3000+ | 5000+ |
| 0.1           | <b>108-801</b> |            |      |       |       |       |
| 0.15          | <b>108-802</b> |            |      |       |       |       |
| 0.22          | <b>108-803</b> |            |      |       |       |       |
| 0.47          | <b>108-804</b> |            |      |       |       |       |
| 1.0           | <b>108-805</b> |            |      |       |       |       |
| 1.5           | <b>108-806</b> |            |      |       |       |       |
| 2.2           | <b>108-807</b> |            |      |       |       |       |

| 400 Volt d.c. (220 Volt a.c.) |      | Dimensions |      |     | Lead Pitch | Mfrs. List No. | Order Code |
|-------------------------------|------|------------|------|-----|------------|----------------|------------|
| µF                            | nF   | H          | W    | D   |            |                |            |
| 0.01                          | 10   | 9          | 12.5 | 4   | 10         | 2222 372 51103 | 108-808    |
| 0.022                         | 22   | 9          | 12.5 | 4   | 10         | 2222 372 51223 | 108-809    |
| 0.033                         | 33   | 10         | 12.5 | 4   | 10         | 2222 372 51333 | 108-810    |
| 0.047                         | 47   | 11         | 17.5 | 5   | 15         | 2222 373 51473 | 108-811    |
| 0.1                           | 100  | 11         | 17.5 | 5   | 15         | 2222 373 51104 | 108-812    |
| 0.47                          | 470  | 18         | 26   | 8.5 | 22.5       | 2222 373 51474 | 108-813    |
| 1.0                           | 1000 | 21         | 31   | 11  | 27.5       | 2222 373 51105 | 108-814    |

**Order Multiple=5**

| 400 Volt d.c. |                | Price Each |      |       |       |       |
|---------------|----------------|------------|------|-------|-------|-------|
| µF            | Order Code     | 5+         | 100+ | 1000+ | 3000+ | 5000+ |
| 0.01          | <b>108-808</b> |            |      |       |       |       |
| 0.022         | <b>108-809</b> |            |      |       |       |       |
| 0.033         | <b>108-810</b> |            |      |       |       |       |
| 0.047         | <b>108-811</b> |            |      |       |       |       |
| 0.1           | <b>108-812</b> |            |      |       |       |       |
| 0.47          | <b>108-813</b> |            |      |       |       |       |
| 1.0           | <b>108-814</b> |            |      |       |       |       |

### MKS4 Series



- Metallised polyester capacitor
- Flame retardant plastic case with epoxy resin seal



Lead length = 6

|                              |                                  |                   |           |
|------------------------------|----------------------------------|-------------------|-----------|
| Operating temperature        | -55°C to +100°C                  | Climatic category | 55/100/56 |
| Insulation resistance @ 20°C | 30000MΩ for C ≤ 0.33µF           | Tolerance         | ±10%      |
|                              | 10000 sec (MΩ µF) for C > 0.33µF | Power factor      | 0.008     |
| Temperature coefficient      | ±300 ppm/°C                      |                   |           |

**N.B.** For ease of selection, capacitance value is listed in both µF and nF.

| 63 Volt d.c. (40 Volt a.c.) |      | Dimensions |      |   | Lead Dia. | Lead Pitch | Order Code |
|-----------------------------|------|------------|------|---|-----------|------------|------------|
| µF                          | nF   | H          | W    | D |           |            |            |
| 0.22                        | 220  | 9          | 13   | 4 | 0.7       | 10         | 156-851    |
| 0.47                        | 470  | 9          | 13   | 4 | 0.7       | 10         | 156-863    |
| 1.0                         | 1000 | 11         | 18   | 5 | 0.7       | 15         | 156-875    |
| 1.5                         | 1500 | 11         | 18   | 5 | 0.7       | 15         | 156-887    |
| 2.2                         | 2200 | 12.5       | 18   | 6 | 0.8       | 15         | 156-899    |
| 3.3                         | 3300 | 14         | 18   | 7 | 0.8       | 15         | 156-905    |
| 4.7                         | 4700 | 15         | 18   | 8 | 0.8       | 15         | 156-917    |
| 6.8                         | 6800 | 16.5       | 26.5 | 7 | 0.8       | 22.5       | 156-929    |

**63 Volt d.c.**

|      |                | Price Each |     |      |      |       |
|------|----------------|------------|-----|------|------|-------|
| µF   | Order Code     | 1+         | 50+ | 100+ | 250+ | 1000+ |
| 0.22 | <b>156-851</b> |            |     |      |      |       |
| 0.47 | <b>156-863</b> |            |     |      |      |       |
| 1.0  | <b>156-875</b> |            |     |      |      |       |
| 1.5  | <b>156-887</b> |            |     |      |      |       |
| 2.2  | <b>156-899</b> |            |     |      |      |       |
| 3.3  | <b>156-905</b> |            |     |      |      |       |
| 4.7  | <b>156-917</b> |            |     |      |      |       |
| 6.8  | <b>156-929</b> |            |     |      |      |       |

| 250 Volt d.c. (160 Volt a.c.) |      | Dimensions |      |    | Lead Dia. | Lead Pitch | Order Code |
|-------------------------------|------|------------|------|----|-----------|------------|------------|
| µF                            | nF   | H          | W    | D  |           |            |            |
| 0.01                          | 10   | 9          | 13   | 4  | 0.7       | 10         | 148-882    |
| 0.022                         | 22   | 9          | 13   | 4  | 0.7       | 10         | 148-884    |
| 0.033                         | 33   | 9          | 13   | 4  | 0.7       | 10         | 148-885    |
| 0.047                         | 47   | 9          | 13   | 4  | 0.7       | 10         | 148-886    |
| 0.1                           | 100  | 9.5        | 13   | 4  | 0.7       | 10         | 148-888    |
| 0.22                          | 220  | 11         | 18   | 5  | 0.8       | 15         | 148-890    |
| 0.47                          | 470  | 16.5       | 26.5 | 7  | 0.8       | 22.5       | 148-892    |
| 0.68                          | 680  | 16.5       | 26.5 | 7  | 0.8       | 22.5       | 148-893    |
| 1.0                           | 1000 | 18.5       | 26.5 | 7  | 0.8       | 22.5       | 148-894    |
| 2.2                           | 2200 | 21         | 31.5 | 11 | 0.8       | 27.5       | 148-896    |

| 250 Volt d.c. |                | Price Each |     |      |      |       |
|---------------|----------------|------------|-----|------|------|-------|
| µF            | Order Code     | 1+         | 50+ | 100+ | 250+ | 1000+ |
| 0.01          | <b>148-882</b> |            |     |      |      |       |
| 0.022         | <b>148-884</b> |            |     |      |      |       |
| 0.033         | <b>148-885</b> |            |     |      |      |       |
| 0.047         | <b>148-886</b> |            |     |      |      |       |
| 0.1           | <b>148-888</b> |            |     |      |      |       |
| 0.22          | <b>148-890</b> |            |     |      |      |       |
| 0.47          | <b>148-892</b> |            |     |      |      |       |
| 0.68          | <b>148-893</b> |            |     |      |      |       |
| 1.0           | <b>148-894</b> |            |     |      |      |       |
| 2.2           | <b>148-896</b> |            |     |      |      |       |

| 400 Volt d.c. (200 Volt a.c.) |      | Dimensions |      |     | Lead Dia. | Lead Pitch | Order Code |
|-------------------------------|------|------------|------|-----|-----------|------------|------------|
| µF                            | nF   | H          | W    | D   |           |            |            |
| 0.01                          | 10   | 9          | 13   | 4   | 0.7       | 10         | 148-897    |
| 0.022                         | 22   | 9          | 13   | 4   | 0.7       | 10         | 148-899    |
| 0.047                         | 47   | 11         | 18   | 5   | 0.8       | 15         | 148-901    |
| 0.22                          | 220  | 15         | 26.5 | 6   | 0.8       | 22.5       | 148-905    |
| 0.47                          | 470  | 16.5       | 26.5 | 8.5 | 0.8       | 22.5       | 148-907    |
| 1.0                           | 1000 | 21         | 31.5 | 11  | 0.8       | 27.5       | 148-909    |
| 2.2                           | 2200 | 31.5       | 31.5 | 15  | 1.0       | 27.5       | 148-911    |

CAP99

| 400 Volt d.c. |                | Price Each |     |      |      |       |
|---------------|----------------|------------|-----|------|------|-------|
| µF            | Order Code     | 1+         | 50+ | 100+ | 250+ | 1000+ |
| 0.01          | <b>148-897</b> |            |     |      |      |       |
| 0.022         | <b>148-899</b> |            |     |      |      |       |
| 0.047         | <b>148-901</b> |            |     |      |      |       |
| 0.22          | <b>148-905</b> |            |     |      |      |       |
| 0.47          | <b>148-907</b> |            |     |      |      |       |
| 1.0           | <b>148-909</b> |            |     |      |      |       |
| 2.2           | <b>148-911</b> |            |     |      |      |       |

### MKT1813 - Series



- Axial polyester film
- Wide voltage and temperature range

|                       |                 |
|-----------------------|-----------------|
| Operating temperature | -55°C to +100°C |
| Tolerance             | ±10%            |

| 63 Volt d.c. (40 Volt a.c.) |       | Dimensions |      |      | Lead Length | Lead Dia.          | Mfrs. List No. | Order Code |
|-----------------------------|-------|------------|------|------|-------------|--------------------|----------------|------------|
| µF                          | nF    | L          | Dia. | Dia. |             |                    |                |            |
| 0.15                        | 150   | 11         | 5    | 40   | 0.6         | MKT1813-415/06-5-G | 303-7952       |            |
| 0.22                        | 220   | 11         | 5    | 40   | 0.6         | MKT1813-422/06-5-G | 303-7964       |            |
| 0.33                        | 330   | 14         | 6    | 40   | 0.7         | MKT1813-433/06-5-G | 303-7976       |            |
| 0.47                        | 470   | 14         | 7    | 40   | 0.8         | MKT1813-447/06-5-G | 303-7988       |            |
| 0.68                        | 680   | 19         | 6.5  | 40   | 0.7         | MKT1813-468/06-5-G | 303-7990       |            |
| 1.0                         | 1000  | 19         | 7    | 40   | 0.8         | MKT1813-510/06-5-G | 303-8002       |            |
| 1.5                         | 1500  | 19         | 8.5  | 40   | 0.8         | MKT1813-515/06-5-G | 303-8014       |            |
| 2.2                         | 2200  | 26.5       | 8.5  | 40   | 0.8         | MKT1813-522/06-5-G | 303-8026       |            |
| 3.3                         | 3300  | 26.5       | 10   | 40   | 0.8         | MKT1813-533/06-5-G | 303-8038       |            |
| 4.7                         | 4700  | 26.5       | 11.5 | 40   | 0.8         | MKT1813-547/06-5-G | 303-8040       |            |
| 10                          | 10000 | 31.5       | 14.5 | 40   | 0.8         | MKT1813-610/06-5-G | 303-8051       |            |

| 63 Volt d.c. (40 Volt a.c.) |                  | Price Each |     |      |      |       |
|-----------------------------|------------------|------------|-----|------|------|-------|
| µF                          | Order Code       | 1+         | 50+ | 100+ | 500+ | 1000+ |
| 0.15                        | <b>.303-7952</b> |            |     |      |      |       |
| 0.22                        | <b>.303-7964</b> |            |     |      |      |       |
| 0.33                        | <b>.303-7976</b> |            |     |      |      |       |
| 0.47                        | <b>.303-7988</b> |            |     |      |      |       |
| 0.68                        | <b>.303-7990</b> |            |     |      |      |       |
| 1.0                         | <b>.303-8002</b> |            |     |      |      |       |
| 1.5                         | <b>.303-8014</b> |            |     |      |      |       |
| 2.2                         | <b>.303-8026</b> |            |     |      |      |       |
| 3.3                         | <b>.303-8038</b> |            |     |      |      |       |
| 4.7                         | <b>.303-8040</b> |            |     |      |      |       |
| 10                          | <b>.303-8051</b> |            |     |      |      |       |

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## Major International Brands

All the leading brand names from over 1,000 major international manufacturers.