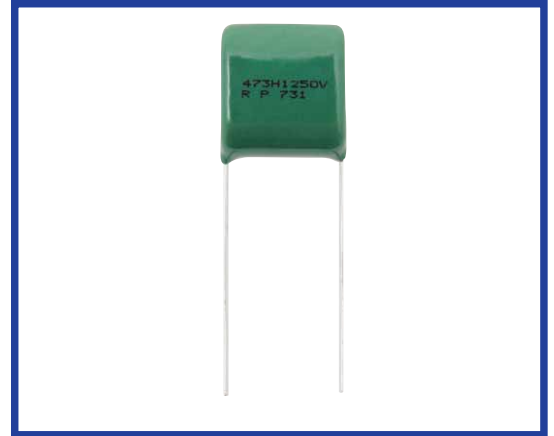


MPE SERIES

◆FEATURES

- Up the corona discharge characteristics by 3 section series construction.
- For applications where high frequency, high voltage are like electronic ballast, etc.
- Coated with flame-retardant (UL94 V-0) epoxy resin.
- RoHS compliance.

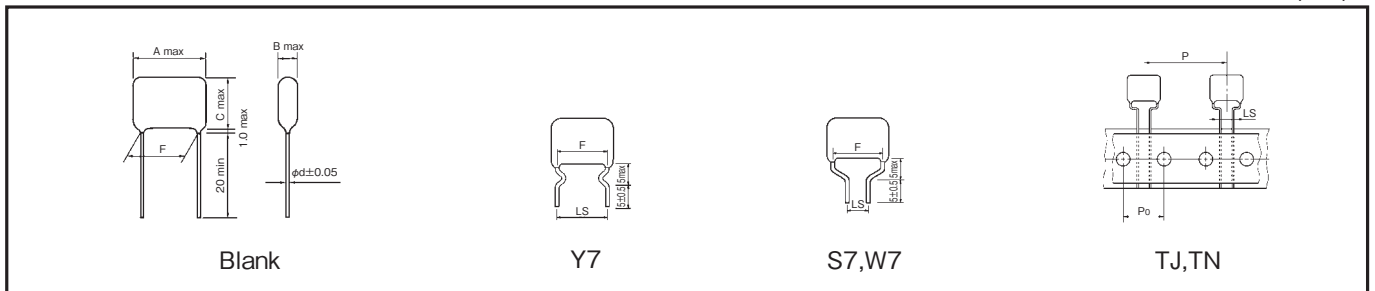


◆SPECIFICATIONS

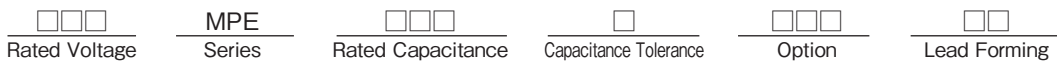
| | |
|---------------------------------|---|
| Category Temperature Range | -40°C~+105°C |
| Rated Voltage (U _R) | 800VDC/250VAC, 1250VDC/400VAC, 1600VDC/700VAC |
| Capacitance Tolerance | ±3%(H), ±5%(J) |
| tanδ | 0.001max at 1kHz |
| Voltage Proof | U _R ×150% 60s |
| Insulation Resistance | 30,000MΩmin |
| Reference Standard | JIS C 5101-17, JIS C 5101-1 |

◆OUTLINE

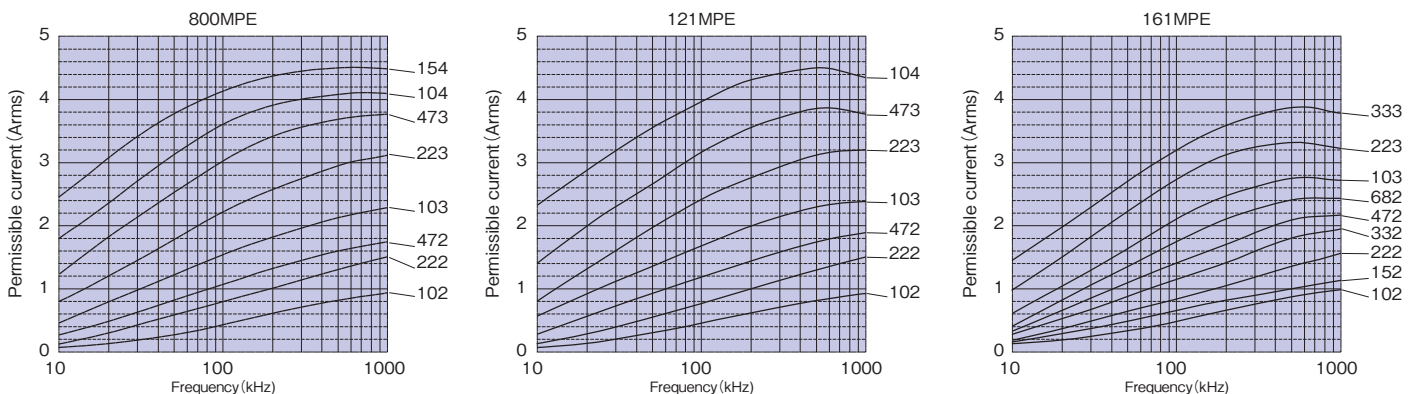
(mm)



◆PART NUMBER



◆PERMISSIBLE CURRENT FOR FREQUENCY



◆ STANDARD SIZE

□ : Tolerance ** : Suffix

| Rated Voltage | Cap(μF) | Dimensions (mm) | | | | | | Typical Packaging Quantity (pcs) | | | | | | | | Part No. |
|--------------------|---------|-----------------|------|------|--------------|--------------|-----|----------------------------------|--------|-------------------------------|--------|--------|-----|--------------|--------------|----------|
| | | | | | | | | Long Lead type | | Taping Ammo Pack Type - Style | | | | | | |
| | | A | B | C | F±1.0 | LS±0.5 | d | Bag | Carton | TC | TX, TH | TL, TJ | TN | TS | | |
| 800VDC / 250VAC | 0.001 | 17.5 | 6.0 | 8.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 800MPE102□** | |
| | 0.0011 | 17.5 | 6.0 | 8.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 800MPE112□** | |
| | 0.0012 | 17.5 | 6.0 | 8.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 800MPE122□** | |
| | 0.0013 | 17.5 | 6.0 | 9.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 800MPE132□** | |
| | 0.0015 | 17.5 | 6.0 | 9.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 800MPE152□** | |
| | 0.0016 | 17.5 | 6.0 | 9.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 800MPE162□** | |
| | 0.0018 | 17.5 | 6.0 | 10.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 3,000 | — | — | 500 | 500 | — | 800MPE182□** | |
| | 0.002 | 17.5 | 6.0 | 10.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 3,000 | — | — | 500 | 500 | — | 800MPE202□** | |
| | 0.0022 | 17.5 | 5.5 | 9.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 800MPE222□** | |
| | 0.0024 | 17.5 | 5.5 | 9.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 800MPE242□** | |
| | 0.0027 | 17.5 | 5.5 | 11.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 3,000 | — | — | 500 | 500 | — | 800MPE272□** | |
| | 0.003 | 17.5 | 5.5 | 11.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 3,000 | — | — | 500 | 500 | — | 800MPE302□** | |
| | 0.0033 | 17.5 | 5.5 | 11.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 3,000 | — | — | 500 | 500 | — | 800MPE332□** | |
| | 0.0036 | 17.5 | 5.5 | 11.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 3,000 | — | — | 500 | 500 | — | 800MPE362□** | |
| | 0.0039 | 17.5 | 6.0 | 11.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 500 | — | 800MPE392□** | |
| | 0.0043 | 17.5 | 6.5 | 12.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 800MPE432□** | |
| | 0.0047 | 17.5 | 6.5 | 12.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 800MPE472□** | |
| | 0.0051 | 17.5 | 7.0 | 12.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 800MPE512□** | |
| | 0.0056 | 17.5 | 7.0 | 12.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 800MPE562□** | |
| | 0.0062 | 17.5 | 7.5 | 13.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 400 | — | 800MPE622□** | |
| | 0.0068 | 17.5 | 7.5 | 13.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 400 | — | 800MPE682□** | |
| | 0.0075 | 17.5 | 8.0 | 13.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 300 | — | 800MPE752□** | |
| | 0.0082 | 17.5 | 8.5 | 13.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 300 | — | 800MPE822□** | |
| | 0.0091 | 17.5 | 9.0 | 14.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 800MPE912□** | |
| | 0.01 | 17.5 | 9.0 | 14.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 800MPE103□** | |
| | 0.011 | 17.5 | 6.5 | 12.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 800MPE113□** | |
| | 0.012 | 17.5 | 7.0 | 12.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 800MPE123□** | |
| | 0.013 | 17.5 | 7.0 | 12.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 800MPE133□** | |
| | 0.015 | 17.5 | 7.5 | 13.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 400 | — | 800MPE153□** | |
| | 0.016 | 17.5 | 7.5 | 13.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 400 | — | 800MPE163□** | |
| | 0.018 | 17.5 | 8.0 | 13.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 300 | — | 800MPE183□** | |
| | 0.02 | 17.5 | 7.5 | 12.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 400 | — | 800MPE203□** | |
| | 0.022 | 17.5 | 7.5 | 13.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 400 | — | 800MPE223□** | |
| | 0.024 | 17.5 | 8.0 | 13.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 300 | — | 800MPE243□** | |
| | 0.027 | 17.5 | 8.0 | 13.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 300 | — | 800MPE273□** | |
| | 0.03 | 17.5 | 8.5 | 14.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 1,000 | — | — | 400 | 300 | — | 800MPE303□** | |
| | 0.033 | 17.5 | 9.0 | 14.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 800MPE333□** | |
| | 0.036 | 17.5 | 9.5 | 14.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 300 | 300 | — | 800MPE363□** | |
| | 0.039 | 17.5 | 9.5 | 15.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 300 | 300 | — | 800MPE393□** | |
| | 0.043 | 17.5 | 9.5 | 16.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 300 | 300 | — | 800MPE433□** | |
| 0.047 | 17.5 | 9.5 | 16.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 300 | 300 | — | 800MPE473□** | | |
| 0.051 | 17.5 | 10.0 | 17.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 300 | 300 | — | 800MPE513□** | | |
| 0.056 | 17.5 | 10.5 | 17.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 300 | 200 | — | 800MPE563□** | | |
| 0.062 | 17.5 | 11.0 | 18.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 300 | 200 | — | 800MPE623□** | | |
| 0.068 | 18.0 | 11.5 | 18.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | — | — | — | 800MPE683□** | | |
| 0.075 | 18.0 | 12.0 | 20.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 800 | — | — | — | — | — | 800MPE753□** | | |
| 0.082 | 18.0 | 12.0 | 20.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 800 | — | — | — | — | — | 800MPE823□** | | |
| 0.091 | 18.0 | 12.5 | 21.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 800 | — | — | — | — | — | 800MPE913□** | | |
| 0.1 | 18.0 | 13.5 | 22.0 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 800 | — | — | — | — | — | 800MPE104□** | | |
| 0.11 | 18.0 | 14.0 | 22.5 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 800 | — | — | — | — | — | 800MPE114□** | | |
| 0.12 | 18.0 | 15.0 | 23.5 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 500 | — | — | — | — | — | 800MPE124□** | | |
| 0.13 | 18.0 | 15.5 | 24.0 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 500 | — | — | — | — | — | 800MPE134□** | | |
| 0.15 | 18.0 | 16.5 | 25.5 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 500 | — | — | — | — | — | 800MPE154□** | | |

◆ STANDARD SIZE

□ : Tolerance ** : Suffix

| Rated Voltage | Cap(μF) | Dimensions (mm) | | | | | | Typical Packaging Quantity (pcs) | | | | | | | Part No. |
|---------------------|---------|-----------------|------|------|--------------|--------------|-----|----------------------------------|--------|-------------------------------|--------|--------|-----|--------------|--------------|
| | | | | | | | | Long Lead type | | Taping Ammo Pack Type - Style | | | | | |
| | | A | B | C | F±1.0 | LS±0.5 | d | Bag | Carton | TC | TX, TH | TL, TJ | TN | TS | |
| 1250VDC / 400VAC | 0.001 | 17.5 | 6.0 | 8.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 121MPE102□** |
| | 0.0011 | 17.5 | 6.0 | 8.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 121MPE112□** |
| | 0.0012 | 17.5 | 6.0 | 8.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 121MPE122□** |
| | 0.0013 | 17.5 | 6.0 | 9.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 121MPE132□** |
| | 0.0015 | 17.5 | 6.0 | 9.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 121MPE152□** |
| | 0.0016 | 17.5 | 6.0 | 9.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 121MPE162□** |
| | 0.0018 | 17.5 | 6.0 | 10.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 3,000 | — | — | 500 | 500 | — | 121MPE182□** |
| | 0.002 | 17.5 | 6.0 | 10.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 3,000 | — | — | 500 | 500 | — | 121MPE202□** |
| | 0.0022 | 17.5 | 5.5 | 9.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 121MPE222□** |
| | 0.0024 | 17.5 | 5.5 | 9.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 121MPE242□** |
| | 0.0027 | 17.5 | 5.5 | 11.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 3,000 | — | — | 500 | 500 | — | 121MPE272□** |
| | 0.003 | 17.5 | 5.5 | 11.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 3,000 | — | — | 500 | 500 | — | 121MPE302□** |
| | 0.0033 | 17.5 | 5.5 | 11.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 3,000 | — | — | 500 | 500 | — | 121MPE332□** |
| | 0.0036 | 17.5 | 5.5 | 11.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 3,000 | — | — | 500 | 500 | — | 121MPE362□** |
| | 0.0039 | 17.5 | 6.0 | 11.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 500 | — | 121MPE392□** |
| | 0.0043 | 17.5 | 6.5 | 12.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 121MPE432□** |
| | 0.0047 | 17.5 | 6.5 | 12.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 121MPE472□** |
| | 0.0051 | 17.5 | 7.0 | 12.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 121MPE512□** |
| | 0.0056 | 17.5 | 7.0 | 12.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 121MPE562□** |
| | 0.0062 | 17.5 | 7.5 | 13.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 400 | — | 121MPE622□** |
| | 0.0068 | 17.5 | 7.5 | 13.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 400 | — | 121MPE682□** |
| | 0.0075 | 17.5 | 8.0 | 13.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 300 | — | 121MPE752□** |
| | 0.0082 | 17.5 | 8.5 | 13.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 300 | — | 121MPE822□** |
| | 0.0091 | 17.5 | 9.0 | 14.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 121MPE912□** |
| | 0.01 | 17.5 | 9.0 | 14.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 1,000 | — | — | 400 | 300 | — | 121MPE103□** |
| | 0.011 | 17.5 | 6.5 | 12.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 121MPE113□** |
| | 0.012 | 17.5 | 7.0 | 12.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 121MPE123□** |
| | 0.013 | 17.5 | 7.0 | 12.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 400 | — | 121MPE133□** |
| | 0.015 | 17.5 | 7.5 | 13.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 400 | — | 121MPE153□** |
| | 0.016 | 17.5 | 7.5 | 13.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 400 | — | 121MPE163□** |
| | 0.018 | 17.5 | 8.0 | 13.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 400 | 300 | — | 121MPE183□** |
| | 0.02 | 17.5 | 7.5 | 15.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 1,000 | — | — | 400 | 400 | — | 121MPE203□** |
| | 0.022 | 17.5 | 8.0 | 15.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 1,000 | — | — | 400 | 300 | — | 121MPE223□** |
| | 0.024 | 17.5 | 8.5 | 15.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 121MPE243□** |
| | 0.027 | 17.5 | 9.0 | 16.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 121MPE273□** |
| | 0.03 | 17.5 | 9.0 | 17.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 121MPE303□** |
| | 0.033 | 17.5 | 9.0 | 18.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 121MPE333□** |
| | 0.036 | 17.5 | 9.5 | 18.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 300 | 300 | — | 121MPE363□** |
| | 0.039 | 17.5 | 10.0 | 18.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | — | — | — | 121MPE393□** |
| | 0.043 | 18.0 | 10.5 | 19.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | — | — | — | 121MPE433□** |
| 0.047 | 18.0 | 11.0 | 19.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | — | — | — | 121MPE473□** | |
| 0.051 | 18.0 | 11.5 | 20.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | — | — | — | 121MPE513□** | |
| 0.056 | 18.0 | 12.0 | 20.5 | 15.0 | 5.0/7.5/15.0 | 1.0 | 200 | 800 | — | — | — | — | — | 121MPE563□** | |
| 0.062 | 18.0 | 12.5 | 21.0 | 15.0 | 5.0/7.5/15.0 | 1.0 | 200 | 800 | — | — | — | — | — | 121MPE623□** | |
| 0.068 | 18.0 | 13.0 | 21.5 | 15.0 | 5.0/7.5/15.0 | 1.0 | 200 | 800 | — | — | — | — | — | 121MPE683□** | |
| 0.075 | 18.0 | 14.0 | 22.5 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 800 | — | — | — | — | — | 121MPE753□** | |
| 0.082 | 18.0 | 14.5 | 23.0 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 500 | — | — | — | — | — | 121MPE823□** | |
| 0.091 | 18.0 | 15.5 | 24.0 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 500 | — | — | — | — | — | 121MPE913□** | |
| 0.1 | 18.0 | 16.0 | 25.0 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 500 | — | — | — | — | — | 121MPE104□** | |

◆ STANDARD SIZE

□ : Tolerance ** : Suffix

| Rated Voltage | Cap(μF) | Dimensions (mm) | | | | | | Typical Packaging Quantity (pcs) | | | | | | | | Part No. |
|---------------------|---------|-----------------|------|------|--------------|--------------|-----|----------------------------------|--------|-------------------------------|--------|--------|-----|--------------|--------------|----------|
| | | | | | | | | Long Lead type | | Taping Ammo Pack Type - Style | | | | | | |
| | | A | B | C | F±1.0 | LS±0.5 | d | Bag | Carton | TC | TX, TH | TL, TJ | TN | TS | | |
| 1600VDC / 700VAC | 0.001 | 17.5 | 6.0 | 8.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 161MPE102□** | |
| | 0.0011 | 17.5 | 6.0 | 8.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 161MPE112□** | |
| | 0.0012 | 17.5 | 6.0 | 8.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 4,000 | — | — | 500 | 500 | — | 161MPE122□** | |
| | 0.0013 | 17.5 | 6.0 | 9.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 3,000 | — | — | 500 | 500 | — | 161MPE132□** | |
| | 0.0015 | 17.5 | 6.0 | 9.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 3,000 | — | — | 500 | 500 | — | 161MPE152□** | |
| | 0.0016 | 17.5 | 6.0 | 10.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 500 | — | 161MPE162□** | |
| | 0.0018 | 17.5 | 6.0 | 10.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 500 | — | 161MPE182□** | |
| | 0.002 | 17.5 | 6.0 | 12.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 500 | — | 161MPE202□** | |
| | 0.0022 | 17.5 | 6.0 | 12.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 500 | — | 161MPE222□** | |
| | 0.0024 | 17.5 | 6.0 | 12.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 500 | — | 161MPE242□** | |
| | 0.0027 | 17.5 | 6.0 | 13.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 500 | — | 161MPE272□** | |
| | 0.003 | 17.5 | 6.0 | 14.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 500 | — | 161MPE302□** | |
| | 0.0033 | 17.5 | 6.0 | 14.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 2,000 | — | — | 500 | 500 | — | 161MPE332□** | |
| | 0.0036 | 17.5 | 7.5 | 14.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 1,000 | — | — | 400 | 500 | — | 161MPE362□** | |
| | 0.0039 | 17.5 | 7.5 | 14.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 1,000 | — | — | 400 | 400 | — | 161MPE392□** | |
| | 0.0043 | 17.5 | 7.5 | 15.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 1,000 | — | — | 400 | 400 | — | 161MPE432□** | |
| | 0.0047 | 17.5 | 7.5 | 15.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 100 | 1,000 | — | — | 400 | 400 | — | 161MPE472□** | |
| | 0.0051 | 17.5 | 8.5 | 16.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 161MPE512□** | |
| | 0.0056 | 17.5 | 8.5 | 16.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 161MPE562□** | |
| | 0.0062 | 17.5 | 8.5 | 16.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 161MPE622□** | |
| | 0.0068 | 17.5 | 8.5 | 17.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 161MPE682□** | |
| | 0.0075 | 17.5 | 8.5 | 17.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 161MPE752□** | |
| | 0.0082 | 17.5 | 8.5 | 17.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 400 | 300 | — | 161MPE822□** | |
| | 0.0091 | 17.5 | 9.5 | 18.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 300 | 300 | — | 161MPE912□** | |
| | 0.01 | 17.5 | 10.0 | 18.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | 300 | 300 | — | 161MPE103□** | |
| | 0.011 | 17.5 | 11.0 | 19.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | — | — | — | 161MPE113□** | |
| | 0.012 | 18.0 | 11.5 | 20.0 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 1,000 | — | — | — | — | — | 161MPE123□** | |
| | 0.013 | 18.0 | 12.0 | 20.5 | 15.0 | 5.0/7.5/15.0 | 0.8 | 200 | 800 | — | — | — | — | — | 161MPE133□** | |
| | 0.015 | 18.0 | 12.0 | 22.5 | 15.0 | 5.0/7.5/15.0 | 1.0 | 200 | 800 | — | — | — | — | — | 161MPE153□** | |
| | 0.016 | 18.0 | 12.5 | 22.0 | 15.0 | 5.0/7.5/15.0 | 1.0 | 200 | 800 | — | — | — | — | — | 161MPE163□** | |
| | 0.018 | 18.0 | 13.5 | 24.0 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 500 | — | — | — | — | — | 161MPE183□** | |
| | 0.02 | 18.0 | 15.0 | 24.0 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 500 | — | — | — | — | — | 161MPE203□** | |
| | 0.022 | 18.0 | 15.5 | 25.5 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 500 | — | — | — | — | — | 161MPE223□** | |
| 0.024 | 18.0 | 16.0 | 26.5 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 500 | — | — | — | — | — | 161MPE243□** | | |
| 0.027 | 18.0 | 17.0 | 27.0 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 500 | — | — | — | — | — | 161MPE273□** | | |
| 0.03 | 18.0 | 18.0 | 28.0 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 500 | — | — | — | — | — | 161MPE303□** | | |
| 0.033 | 18.0 | 19.0 | 28.5 | 15.0 | 5.0/7.5/15.0 | 1.0 | 100 | 500 | — | — | — | — | — | 161MPE333□** | | |