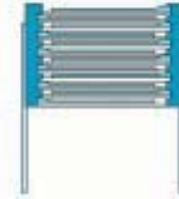




Interference Suppression Capacitor

MKP-X2 - 4th Generation



- Metallized Polypropylene Film
- Metal spray layer
- Connecting wire

Construction:

- Dielectric : Polypropylene Film.
- Electrodes : Zinc Metallization.
- Winding : non-inductive type.
- Leads : Tinned copper clad-steel wire.
- Outer coating : Flame retarding plastic case and epoxy filled.

Feature:

- Self-healing properties.
- In accordance with UL , CSA , ENEC , CQC safety regulations
- Class X2

Recommended Application:

- Interference suppressors.
- Antenna coupling.
- Across the line.
- Line-by-pass.
- EMI filter

Electrical Characteristics:

| | | | | | | |
|--|--|--------|-------|--|---------|---------|
| Related Documents | IEC 60384-14 , UL 1414 , UL 1283 , CSA C22.2 , CQC | | | | | |
| Rated Voltage | 305VAC (ENEC , CQC) , 310VAC (UL , CSA). | | | | | |
| Rated Temperature | -40°C ~ +110°C | | | | | |
| Capacitance Range | 0.0047μF ~ 2.2μF. | | | | | |
| Dissipation Factor | 0.1% or less. at 1Khz , 20± 5°C | | | | | |
| Insulation Resistance | Terminal to Terminal: ≥15000MΩ at DC 100V (C≤ 0.33μF) ≥ 5000MΩ× μF at DC 100V (C>0.33μF) | | | Terminal to Enclosure: ≥30000MΩ at DC 100V ≥500MΩ at DC 500V | | |
| Withstand Voltage | [Between terminal] : Nothing abnormal shall be found when apply a voltage specified below for 1 minute C≤0.0068μF: AC 1500V or DC 2121V , C>0.0068μF: AC 1000V or DC 1768V. Cut-off Current AC : 2A , DC : 10mA 1. Above test must connected with a current limiting resistance of 1 Ω / Voltage. 2. Slow-up voltage speed : 100V/sec. [Between terminal and enclosure] : Nothing abnormal shall be found when apply a voltage of 2050Vac for 1 minute. | | | | | |
| Rated Voltage Pulse Slope dV/dt (V/μs) at 560 VDC | Pitch V _R | 7.5m/m | 10m/m | 15m/m | 22.5m/m | 27.5m/m |
| | 560VDC | 500 | 400 | 300 | 180 | 120 |
| Climate Category | code letter G and number 40 = Minimum limit temperature.... -40°C. code letter M and number 110 = Maximum limit temperature.... +110°C. code letter F and number 56 = Maximum limit of Relative Humidity The days of damp heat test..... 56 days. code letter B = Category of Passive flammability. | | | | | |





Interference Suppression Capacitor

SAFETY APPROVALS :

| LOGO MARK | COUNTRY | APPROVAL STANDARD | APPROVAL NO. | CLASS | CAP. RANGE | RATED VOLTAGE |
|-----------|---------|---|--------------------|----------------|--------------------------------------|------------------|
| UL | U.S.A | UL-1414 UL-1283 | E149075 E221690 | FOWX2 FOKY2 | 0.0047μF ~ 1.0μF 0.0047μF ~ 2.2μF | 250VAC 310VAC |
| CSA | CANADA | CAN/CSA C22.2 NO.1-98 NO.8-M1986 | 158927 LR85363 | X2 | 0.0047μF ~ 1.0μF 0.0047μF ~ 2.2μF | 250VAC 310VAC |
| CB TEST | EUROPE | IEC-60384-14 SECOND EDITION | SE-66904 | X2 | 0.0047μF ~ 2.2μF | 305VAC |
| ENEC | EUROPE | EN-132400 IEC-60384-14 SECOND EDITION | SE/0252-2B | X2 | 0.0047μF ~ 2.2μF 40/110/56/B | 305VAC |
| CQC | CHINA | GB/T14472 (1998) | CQC11001064918 | X2 | 0.0047μF ~ 2.2μF | 305VAC |

Cap. (μF)

| Size Cap | W | H | T | P | dφ |
|-------------|------|------|-----|------|-----|
| .0047 | 10.0 | 8.0 | 4.0 | 7.5 | 0.6 |
| .0056 | 10.0 | 8.0 | 4.0 | 7.5 | 0.6 |
| .0068 | 10.0 | 8.0 | 4.0 | 7.5 | 0.6 |
| .0082 | 10.0 | 8.0 | 4.0 | 7.5 | 0.6 |
| 0.01 | 10.0 | 8.0 | 4.0 | 7.5 | 0.6 |
| 0.012 | 10.0 | 8.0 | 4.0 | 7.5 | 0.6 |
| 0.015 | 10.0 | 9.0 | 4.0 | 7.5 | 0.6 |
| 0.018 | 10.0 | 9.0 | 4.0 | 7.5 | 0.6 |
| 0.022 | 10.0 | 9.0 | 4.0 | 7.5 | 0.6 |
| 0.027 | 10.0 | 10.0 | 5.0 | 7.5 | 0.6 |
| 0.033 | 10.0 | 10.0 | 5.0 | 7.5 | 0.6 |
| 0.039 | 10.0 | 11.0 | 5.0 | 7.5 | 0.6 |
| 0.047 | 10.0 | 12.0 | 6.0 | 7.5 | 0.6 |
| 0.056 | 10.0 | 12.0 | 6.0 | 7.5 | 0.6 |
| .0047 | 13.0 | 10.0 | 5.0 | 10.0 | 0.6 |
| .0056 | 13.0 | 10.0 | 5.0 | 10.0 | 0.6 |
| .0068 | 13.0 | 10.0 | 5.0 | 10.0 | 0.6 |
| .0082 | 13.0 | 10.0 | 5.0 | 10.0 | 0.6 |
| 0.01 | 13.0 | 10.0 | 5.0 | 10.0 | 0.6 |
| 0.012 | 13.0 | 10.0 | 5.0 | 10.0 | 0.6 |
| 0.015 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 |
| 0.018 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 |
| 0.022 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 |
| 0.027 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 |
| 0.033 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 |

Size unit: m/m

| Size Cap | W | H | T | P | dφ |
|-------------|------|------|------|------|-----|
| 0.039 | 13.0 | 9.0 | 4.0 | 10.0 | 0.6 |
| 0.047 | 13.0 | 10.0 | 5.0 | 10.0 | 0.6 |
| 0.056 | 13.0 | 10.0 | 5.0 | 10.0 | 0.6 |
| 0.068 | 13.0 | 11.0 | 5.0 | 10.0 | 0.6 |
| 0.082 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 |
| 0.1 | 13.0 | 12.0 | 6.0 | 10.0 | 0.6 |
| 0.12 | 13.0 | 13.0 | 7.0 | 10.0 | 0.6 |
| 0.15 | 13.0 | 14.0 | 8.0 | 10.0 | 0.6 |
| 0.01 | 18.0 | 11.0 | 5.0 | 15.0 | 0.8 |
| 0.015 | 18.0 | 11.0 | 5.0 | 15.0 | 0.8 |
| 0.022 | 18.0 | 11.0 | 5.0 | 15.0 | 0.8 |
| 0.033 | 18.0 | 11.0 | 5.0 | 15.0 | 0.8 |
| 0.039 | 18.0 | 11.0 | 5.0 | 15.0 | 0.8 |
| 0.047 | 18.0 | 11.0 | 5.0 | 15.0 | 0.8 |
| 0.056 | 18.0 | 11.0 | 5.0 | 15.0 | 0.8 |
| 0.068 | 18.0 | 11.0 | 5.0 | 15.0 | 0.8 |
| 0.082 | 18.0 | 11.0 | 5.0 | 15.0 | 0.8 |
| 0.1 | 18.0 | 11.0 | 5.0 | 15.0 | 0.8 |
| 0.12 | 18.0 | 12.0 | 6.0 | 15.0 | 0.8 |
| 0.15 | 18.0 | 12.0 | 6.0 | 15.0 | 0.8 |
| 0.18 | 18.0 | 12.0 | 6.0 | 15.0 | 0.8 |
| 0.22 | 18.0 | 13.0 | 7.0 | 15.0 | 0.8 |
| 0.27 | 18.0 | 14.5 | 7.5 | 15.0 | 0.8 |
| 0.33 | 18.0 | 15.5 | 8.0 | 15.0 | 0.8 |
| 0.33 | 18.0 | 13.5 | 10.0 | 15.0 | 0.8 |

| Size Cap | W | H | T | P | dφ |
|-------------|------|------|------|------|-----|
| 0.39 | 18.0 | 17.0 | 8.0 | 15.0 | 0.8 |
| 0.47 | 18.0 | 18.0 | 9.0 | 15.0 | 0.8 |
| 0.56 | 18.0 | 19.0 | 10.0 | 15.0 | 0.8 |
| 0.15 | 26.0 | 14.5 | 6.0 | 22.5 | 0.8 |
| 0.18 | 26.0 | 14.5 | 6.0 | 22.5 | 0.8 |
| 0.22 | 26.0 | 14.5 | 6.0 | 22.5 | 0.8 |
| 0.33 | 26.0 | 16.5 | 7.5 | 22.5 | 0.8 |
| 0.39 | 26.0 | 16.5 | 7.5 | 22.5 | 0.8 |
| 0.47 | 26.0 | 16.5 | 7.5 | 22.5 | 0.8 |
| 0.56 | 26.0 | 16.5 | 7.5 | 22.5 | 0.8 |
| 0.68 | 26.0 | 17.0 | 8.0 | 22.5 | 0.8 |
| 0.82 | 26.0 | 18.0 | 9.0 | 22.5 | 0.8 |
| 1.0 | 26.0 | 19.0 | 10.0 | 22.5 | 0.8 |
| 1.2 | 26.0 | 20.0 | 11.5 | 22.5 | 0.8 |
| 1.5 | 26.0 | 22.0 | 12.0 | 22.5 | 0.8 |
| 1.8 | 26.0 | 24.0 | 14.0 | 22.5 | 0.8 |
| 2.2 | 26.0 | 25.0 | 15.0 | 22.5 | 0.8 |
| 0.47 | 31.0 | 18.0 | 9.0 | 27.5 | 0.8 |
| 0.56 | 31.0 | 20.0 | 10.0 | 27.5 | 0.8 |
| 0.68 | 31.0 | 20.0 | 10.0 | 27.5 | 0.8 |
| 0.82 | 31.0 | 20.0 | 11.0 | 27.5 | 0.8 |
| 1.0 | 31.0 | 20.0 | 11.0 | 27.5 | 0.8 |
| 1.5 | 31.0 | 23.5 | 14.0 | 27.5 | 0.8 |
| 2.2 | 31.0 | 26.0 | 18.0 | 27.5 | 0.8 |

