

Data Sheet

Customer: _____

Product: Metallized Polypropylene Film Capacitor (Axial Flat Oval Type) – MPF series _____

Rated Voltage : 100V, 250V, 400V, 630V _____

Issued Date: 17-Jul.-2016 _____

Edition: Ver. 1 _____

Record of change

| Date | Ver. | Description | Page |
|--------------|------|-------------|------|
| 17-Jul.-2016 | 1 | | |
| | | | |
| | | | |
| | | | |

HITANO ENTERPRISE CORP.

7F-7, No. 3, Wu Chuan 1st Road, New Taipei Industrial Park,

New Taipei City, TAIWAN, R.O.C.

Tel: +886 2 2299 1331 (Rep.)

Fax: +886 2 2298 2466, 2298 2969

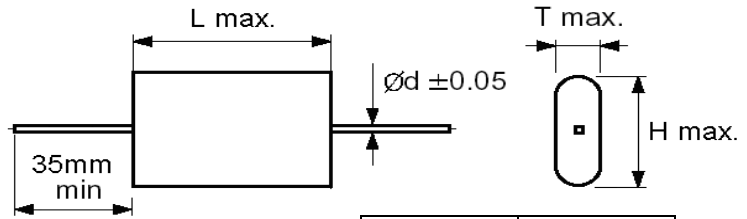
| Prepared by | Checked by | Approved by | Accepted by (customer) |
|-----------------|---------------|---------------|------------------------|
| 17-Jul.-2016 | 17-Jul.-2016 | 17-Jul.-2016 | |
| <i>Andy Hsu</i> | <i>Hwa Wu</i> | <i>Hwa Wu</i> | |

Metallized Polypropylene Film Capacitor (Axial Lead)(Flat Oval)

MPF are non-inductively wound with metallized polyester film as dielectric and electrode with copper-clad steel leads and epoxy end seal.

FEATURES:

- Low dissipation factor (D.F.)
- High insulation resistance.
- High stability of capacitance and dissipation factor versus temperature and frequency.
- Self-healing properties.



SPECIFICATIONS:

1. OPERATING TEMPERATURE: -55°C -- +105°C (Full rated voltage at 85°C.
Derate linearly to 50% rated voltage at 105°C)
2. CAPACITANCE RANGE: 0.1µF – 68µF
3. CAPACITANCE TOLERANCE: ±5%(J), ±10%(K)
4. RATED VOLTAGE: 100VDC, 250VDC, 400VDC, 630VDC
5. DISSIPATION FACTOR: 0.075% max. at 1KHz, 20°C
6. INSULATION RESISTANCE: >30,000 MΩ(C ≤ 0.33µF). >10,000 MΩ·µF/C (C > 0.33µF).
7. VOLTAGE PROOF: 1.5 times rated voltage

| T | d φ |
|----------|-------|
| ≤ 8mm | 0.6mm |
| 9 – 19mm | 0.8mm |
| ≥ 20mm | 1.0mm |

Unit : mm

| RV SIZE CAP(µF) | 100V | | | 250V | | | 400V | | | 630V | | |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| | L | H | T | L | H | T | L | H | T | L | H | T |
| 0.01 | 14.0 | 8.0 | 5.0 | 14.0 | 8.0 | 5.0 | 14.0 | 8.0 | 5.0 | 14.0 | 8.0 | 5.0 |
| 0.022 | 14.0 | 8.5 | 5.0 | 14.0 | 8.5 | 5.0 | 14.0 | 8.5 | 5.0 | 14.0 | 8.5 | 5.0 |
| 0.033 | 14.0 | 8.5 | 5.0 | 14.0 | 8.5 | 5.0 | 14.0 | 8.5 | 5.0 | 19.0 | 9.0 | 5.0 |
| 0.047 | 14.0 | 8.5 | 5.0 | 14.0 | 8.5 | 5.0 | 14.0 | 8.5 | 5.0 | 19.0 | 9.0 | 5.0 |
| 0.068 | 14.0 | 8.5 | 5.0 | 14.0 | 8.5 | 5.0 | 19.0 | 8.5 | 5.0 | 19.0 | 9.0 | 5.0 |
| 0.1 | 14.0 | 8.5 | 5.0 | 14.0 | 8.5 | 5.0 | 14.0 | 10.0 | 6.0 | 19.0 | 9.0 | 6.0 |
| 0.22 | 19.0 | 9.0 | 5.0 | 19.0 | 9.0 | 5.0 | 19.0 | 11.0 | 7.0 | 25.0 | 13.0 | 6.0 |
| 0.33 | 19.0 | 9.0 | 5.0 | 19.0 | 11.0 | 7.0 | 19.0 | 12.0 | 8.0 | 25.0 | 14.0 | 8.0 |
| 0.47 | 19.0 | 10.0 | 6.0 | 19.0 | 12.0 | 8.0 | 25.0 | 13.0 | 7.0 | 31.0 | 14.0 | 8.0 |
| 0.68 | 19.0 | 12.0 | 8.0 | 25.0 | 13.0 | 7.0 | 25.0 | 15.0 | 9.0 | 31.0 | 16.0 | 10.0 |
| 1.0 | 25.0 | 13.0 | 7.0 | 25.0 | 15.0 | 9.0 | 31.0 | 15.0 | 9.0 | 31.0 | 18.0 | 12.0 |
| 2.2 | 31.0 | 14.0 | 8.0 | 31.0 | 17.0 | 11.0 | 31.0 | 20.0 | 13.0 | 46.0 | 20.0 | 14.0 |
| 3.3 | 31.0 | 17.0 | 10.0 | 31.0 | 20.0 | 14.0 | 46.0 | 19.0 | 13.0 | 46.0 | 23.0 | 18.0 |
| 4.7 | 31.0 | 19.0 | 12.0 | 31.0 | 22.0 | 17.0 | 46.0 | 22.0 | 16.0 | 46.0 | 28.0 | 21.0 |
| 5.6 | 31.0 | 20.0 | 14.0 | 46.0 | 20.0 | 14.0 | 46.0 | 23.0 | 17.0 | 46.0 | 30.0 | 23.0 |
| 6.8 | 31.0 | 22.0 | 16.0 | 46.0 | 21.0 | 16.0 | 46.0 | 25.0 | 19.0 | 56.0 | 29.0 | 23.0 |
| 8.2 | 46.0 | 19.0 | 12.5 | 46.0 | 24.0 | 17.0 | 46.0 | 27.0 | 21.0 | 56.0 | 32.0 | 25.0 |
| 10.0 | 46.0 | 21.0 | 14.0 | 46.0 | 25.0 | 19.0 | 46.0 | 30.0 | 23.0 | 56.0 | 33.0 | 26.0 |
| 15.0 | 46.0 | 24.0 | 18.0 | 46.0 | 31.0 | 24.0 | 56.0 | 32.0 | 26.0 | | | |
| 22.0 | 46.0 | 28.0 | 22.0 | 56.0 | 32.0 | 26.0 | 56.0 | 38.0 | 32.0 | | | |
| 33.0 | 56.0 | 30.0 | 24.0 | 56.0 | 39.0 | 32.0 | | | | | | |
| 47.0 | 56.0 | 36.0 | 29.0 | 61.0 | 35.0 | 29.0 | | | | | | |