

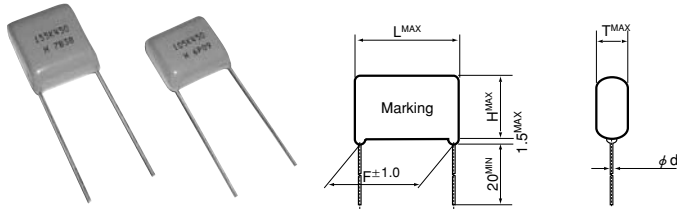
MDD(5) Series

(Resin Dip Type Metallized Polyester Film Capacitors for PFC use only)

Features

- The buzz noise reduced by 10dB of conventional
- Improve of pulse current resistance with the technology for Automobile

Outline of drawings and dimensions

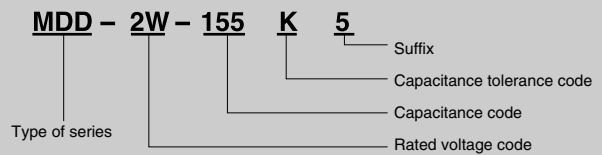


Product Specifications

| Items | Specifications |
|-------------------------------|---|
| Temperature range | -40°C ~ +85°C (+105°C with derating over 85°C) |
| Rated voltage | 450 V.DC |
| Capacitance tolerance | ±10% (K) |
| Dielectric dissipation factor | 0.8% or less (20°C,1KHz) |
| Withstanding voltage | Rated voltage(V.DC) × 1.4 |
| Insulation resistance | Between terminals 2,500 / C _R MΩ or more |
| Related standard | Subject to JIS C 5101-1 and JIS C 5101-2 |

C_R : Capacitance (μF)

Designation : (Example) MDD(5) Series 450V.DC 1.5μF±10%



Standard value and case size

(Unit : mm)

| No. | Production name | Cap. (μF) | Tol. (%) | R.V (VDC) | Size | | | | | I _{0-p} A _{0-p} |
|-----|-----------------|-----------|----------|-----------|------|------|------|------|-----|-----------------------------------|
| | | | | | T | H | L | F | d | |
| 1 | MDD-2W-474K5 | 0.47 | ±10 | 450 | 9.0 | 15.5 | 13.0 | 10.0 | 0.6 | 16.0 |
| 2 | MDD-2W-684K5 | 0.68 | ±10 | 450 | 8.0 | 15.0 | 18.0 | 15.0 | 0.8 | 13.0 |
| 3 | MDD-2W-105K5 | 1.0 | ±10 | 450 | 9.5 | 16.0 | 18.0 | 15.0 | 0.8 | 20.0 |
| 4 | MDD-2W-155K5 | 1.5 | ±10 | 450 | 9.5 | 16.0 | 25.5 | 22.5 | 0.8 | 18.0 |
| 5 | MDD-2W-225K5 | 2.2 | ±10 | 450 | 11.5 | 18.0 | 25.5 | 22.5 | 0.8 | 26.0 |

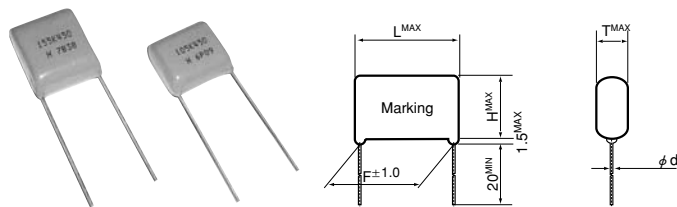
MDD-HD(5Y) Series

(Resin Dip Type Metallized Polyester Film Capacitors for PFC use only)

Features

- The buzz noise reduced by 10dB of conventional
- Coated flame-retardant (UL94-V0) epoxy resin. (IEC 60384-14 Inflammability category ' B ')

Outline of drawings and dimensions

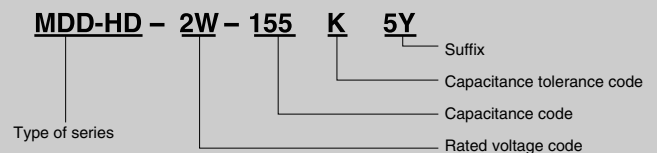


Product Specifications

| Items | Specifications |
|-------------------------------|---|
| Temperature range | -40°C ~ +85°C (+105°C with derating over 85°C) |
| Rated voltage | 450 V.DC |
| Capacitance tolerance | ±10% (K) |
| Dielectric dissipation factor | 0.8% or less (20°C,1KHz) |
| Withstanding voltage | Rated voltage(V.DC) × 1.4 |
| Insulation resistance | Between terminals 2,500 / C _R MΩ or more |
| Related standard | Subject to JIS C 5101-1 and JIS C 5101-2 |

C_R : Capacitance (μF)

Designation : (Example) MDD-HD(5Y) Series 450V.DC 1.5μF±10%



Standard value and case size

(Unit : mm)

| No. | Production name | Cap. (μF) | Tol. (%) | R.V (VDC) | Size | | | | | I _{0-p} A _{0-p} |
|-----|------------------|-----------|----------|-----------|------|------|------|------|-----|-----------------------------------|
| | | | | | T | H | L | F | d | |
| 1 | MDD-HD-2W-105K5Y | 1.0 | ±10 | 450 | 10.0 | 17.0 | 18.0 | 15.0 | 0.8 | 20.0 |
| 2 | MDD-HD-2W-155K5Y | 1.5 | ±10 | 450 | 11.5 | 21.5 | 18.5 | 15.0 | 0.8 | 30.0 |
| 3 | MDD-HD-2W-225K5Y | 2.2 | ±10 | 450 | 14.5 | 24.0 | 18.5 | 15.0 | 0.8 | 44.0 |