

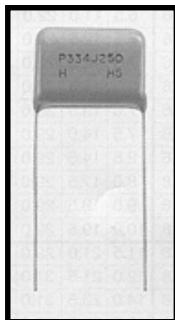
# PLASTIC FILM CAPACITORS

## MDD-P Series

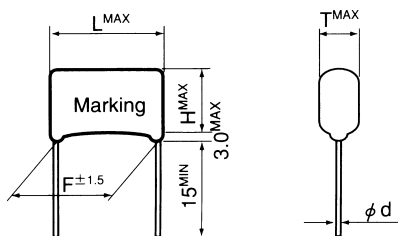
- High Frequency Resin Dipped Metalized Polypropylene Film Capacitors

The MDD-P Series are resin dipped, metalized polypropylene film capacitors that have been in use for many years. They are suitable for Communication devices and inverter fluorescent lighting.

| Items                         | Specifications   |
|-------------------------------|--|
| Temperature range             | -40°C to +85°C (with derating over 85°C)   |
| Rated voltage                 | 250V. DC, 400V. DC, 630V. DC   |
| Capacitance Tolerance         | ±5% (J), ±10% (K), ±20% (M)  |
| Dielectric dissipation factor | Less than 0.1% (20°C, 1KHz)  |
| Withstanding voltage          | Between terminals Rated volt X 1.5 1min.<br>Between terminal & outside coating Rated volt x 2.0, 1 to 5 sec. |
| Insulation resistance         | $C_R \leq 0.33\mu\text{F}$ More than 30,000MΩ<br>$C_R > 0.33\mu\text{F}$ More than 10,000Ω•μF                |
| Others                        | Subject to EIAJ RC 2347 and JIS C 5102   |



Drawings and dimensions



| Rated Voltage (WVDC)    | Part Number | Capacitance | Capacitance Tolerance | Dimensions         |      |     | Quantity |
|-------------------------|-------------|-------------|-----------------------|--------------------|------|-----|----------|
|                         |             |             |                       | T x H x L          | F    | d   |          |
| 250 Volts DC (Code: 2E) | MDD-P2E683J | 0.068       | ±5%*                  | 6.5 x 10.0 x 15.0  | 12.5 | 0.6 | Bulk     |
|                         | MDD-P2E823J | 0.082       | ±5%*                  | 7.0 x 10.5 x 15.0  | 12.5 | 0.6 | Bulk     |
|                         | MDD-P2E104J | 0.10        | ±5%*                  | 7.0 x 12.0 x 15.0  | 12.5 | 0.6 | Bulk     |
|                         | MDD-P2E124J | 0.12        | ±5%*                  | 7.5 x 12.5 x 15.0  | 12.5 | 0.6 | Bulk     |
|                         | MDD-P2E154J | 0.15        | ±5%*                  | 7.0 x 11.0 x 20.0  | 17.5 | 0.6 | Bulk     |
|                         | MDD-P2E184J | 0.18        | ±5%*                  | 7.0 x 12.0 x 20.0  | 17.5 | 0.6 | Bulk     |
|                         | MDD-P2E224J | 0.22        | ±5%*                  | 7.5 x 12.5 x 20.0  | 17.5 | 0.6 | Bulk     |
|                         | MDD-P2E274J | 0.27        | ±5%*                  | 8.5 x 13.0 x 20.0  | 17.5 | 0.6 | Bulk     |
|                         | MDD-P2E334J | 0.33        | ±5%*                  | 8.5 x 15.0 x 20.0  | 17.5 | 0.6 | Bulk     |
|                         | MDD-P2E394J | 0.39        | ±5%*                  | 9.0 x 15.5 x 20.0  | 17.5 | 0.6 | Bulk     |
|                         | MDD-P2E474J | 0.47        | ±5%*                  | 8.5 x 15.0 x 26.0  | 22.5 | 0.6 | Bulk     |
|                         | MDD-P2E564J | 0.56        | ±5%*                  | 9.0 x 15.5 x 26.0  | 22.5 | 0.8 | Bulk     |
|                         | MDD-P2E684J | 0.68        | ±5%*                  | 10.0 x 16.5 x 26.0 | 22.5 | 0.8 | Bulk     |
|                         | MDD-P2E824J | 0.82        | ±5%*                  | 10.0 x 19.5 x 26.0 | 22.5 | 0.8 | Bulk     |
|                         | MDD-P2E105J | 1.0         | ±5%*                  | 10.0 x 19.5 x 31.0 | 27.5 | 0.8 | Bulk     |

\*Also available in Capacitance Tolerances of ±10% (K) and ±20% (M). Replace J (5%) shown in the Part Number above with either K or M as needed when ordering.

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- High Frequency Resin Dipped Metalized Polypropylene Film Capacitors

| Rated Voltage (WVDC)       | Part Number | Capacitance | Capacitance Tolerance | Dimensions         |      |      | Quantity |
|----------------------------|-------------|-------------|-----------------------|--------------------|------|------|----------|
|                            |             |             |                       | T x H x L          | F    | d    |          |
| 400 Volts DC<br>(Code: 2G) | MDD-P2G333J | 0.033       | ±5%*                  | 7.0 x 11.0 x 15.0  | 12.5 | 0.6  | Bulk     |
|                            | MDD-P2G393J | 0.039       | ±5%*                  | 7.5 x 11.5 x 15.0  | 12.5 | 0.6  | Bulk     |
|                            | MDD-P2G473J | 0.047       | ±5%*                  | 7.5 x 12.5 x 15.0  | 12.5 | 0.6  | Bulk     |
|                            | MDD-P2G563J | 0.056       | ±5%*                  | 6.5 x 10.5 x 20.0  | 17.5 | 0.6  | Bulk     |
|                            | MDD-P2G683J | 0.068       | ±5%*                  | 7.0 x 11.5 x 20.0  | 17.5 | 0.6  | Bulk     |
|                            | MDD-P2G823J | 0.082       | ±5%*                  | 7.5 x 12.5 x 20.0  | 17.5 | 0.6  | Bulk     |
|                            | MDD-P2G104J | 0.10        | ±5%*                  | 8.0 x 13.0 x 20.0  | 17.5 | 0.6  | Bulk     |
|                            | MDD-P2G124J | 0.12        | ±5%*                  | 8.5 x 13.5 x 20.0  | 17.5 | 0.8  | Bulk     |
|                            | MDD-P2G154J | 0.15        | ±5%*                  | 9.5 x 14.5 x 20.0  | 17.5 | 0.8  | Bulk     |
|                            | MDD-P2G184J | 0.18        | ±5%*                  | 10.5 x 15.5 x 20.0 | 17.5 | 0.8  | Bulk     |
|                            | MDD-P2G224J | 0.22        | ±5%*                  | 11.5 x 16.5 x 20.0 | 17.5 | 0.8  | Bulk     |
|                            | MDD-P2G274J | 0.27        | ±5%*                  | 9.5 x 16.0 x 29.0  | 25.0 | 0.8  | Bulk     |
|                            | MDD-P2G334J | 0.33        | ±5%*                  | 10.5 x 16.5 x 29.0 | 25.0 | 0.8  | Bulk     |
|                            | MDD-P2G394J | 0.39        | ±5%*                  | 11.0 x 17.5 x 29.0 | 25.0 | 0.8  | Bulk     |
|                            | MDD-P2G474J | 0.47        | ±5%*                  | 12.0 x 18.5 x 29.0 | 25.0 | 0.8  | Bulk     |
|                            | MDD-P2G564J | 0.56        | ±5%*                  | 13.0 x 19.5 x 29.0 | 25.0 | 0.8  | Bulk     |
|                            | MDD-P2G684J | 0.68        | ±5%*                  | 13.0 x 23.0 x 29.0 | 25.0 | 0.8  | Bulk     |
|                            | MDD-P2G824J | 0.82        | ±5%*                  | 12.0 x 22.0 x 36.0 | 32.5 | 0.8  | Bulk     |
| MDD-P2G105J                | 1.0         | ±5%*        | 13.5 x 23.0 x 36.0    | 32.5               | 0.8  | Bulk |          |
| 630 Volts DC<br>(Code: 2J) | MDD-P2J273J | 0.027       | ±5%*                  | 7.0 x 10.5 x 18.0  | 15.0 | 0.6  | Bulk     |
|                            | MDD-P2J333J | 0.033       | ±5%*                  | 7.5 x 11.0 x 18.0  | 15.0 | 0.6  | Bulk     |
|                            | MDD-P2J393J | 0.039       | ±5%*                  | 8.0 x 11.5 x 18.0  | 15.0 | 0.6  | Bulk     |
|                            | MDD-P2J473J | 0.047       | ±5%*                  | 8.0 x 13.0 x 18.0  | 15.0 | 0.6  | Bulk     |
|                            | MDD-P2J563J | 0.056       | ±5%*                  | 8.5 x 13.5 x 18.0  | 15.0 | 0.6  | Bulk     |
|                            | MDD-P2J683J | 0.068       | ±5%*                  | 8.0 x 13.0 x 26.0  | 22.5 | 0.8  | Bulk     |
|                            | MDD-P2J823J | 0.082       | ±5%*                  | 8.5 x 13.5 x 26.0  | 22.5 | 0.8  | Bulk     |
|                            | MDD-P2J104J | 0.10        | ±5%*                  | 9.0 x 15.5 x 26.0  | 22.5 | 0.8  | Bulk     |
|                            | MDD-P2J124J | 0.12        | ±5%*                  | 9.5 x 16.0 x 26.0  | 22.5 | 0.8  | Bulk     |
|                            | MDD-P2J154J | 0.15        | ±5%*                  | 10.5 x 17.0 x 26.0 | 22.5 | 0.8  | Bulk     |
|                            | MDD-P2J184J | 0.18        | ±5%*                  | 11.5 x 18.0 x 26.0 | 22.5 | 0.8  | Bulk     |
|                            | MDD-P2J224J | 0.22        | ±5%*                  | 11.5 x 18.0 x 29.0 | 25.0 | 0.8  | Bulk     |
|                            | MDD-P2J274J | 0.27        | ±5%*                  | 12.5 x 19.5 x 29.0 | 25.0 | 0.8  | Bulk     |
|                            | MDD-P2J334J | 0.33        | ±5%*                  | 13.0 x 22.5 x 29.0 | 25.0 | 0.8  | Bulk     |
|                            | MDD-P2J394J | 0.39        | ±5%*                  | 14.0 x 23.5 x 29.0 | 25.0 | 0.8  | Bulk     |
|                            | MDD-P2J474J | 0.47        | ±5%*                  | 13.0 x 22.5 x 36.0 | 36.0 | 0.8  | Bulk     |
|                            | MDD-P2J564J | 0.56        | ±5%*                  | 14.0 x 23.5 x 36.0 | 36.0 | 0.8  | Bulk     |

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