

MPE series

高電圧品 High Voltage

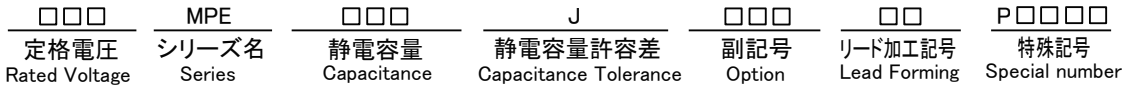
- 特殊電極構造によりコロナ放電特性をアップしたシリーズです。  
Up the corona discharge characteristics by special electrode construction.
- 照明用電子バラストなどの高周波・高電圧回路に最適です。
- 外装に難燃性 (UL94 V-0) のエポキシ樹脂を使用していますので、安全性に優れています。  
Coated with flame-retardant (UL94 V-0) epoxy resin.



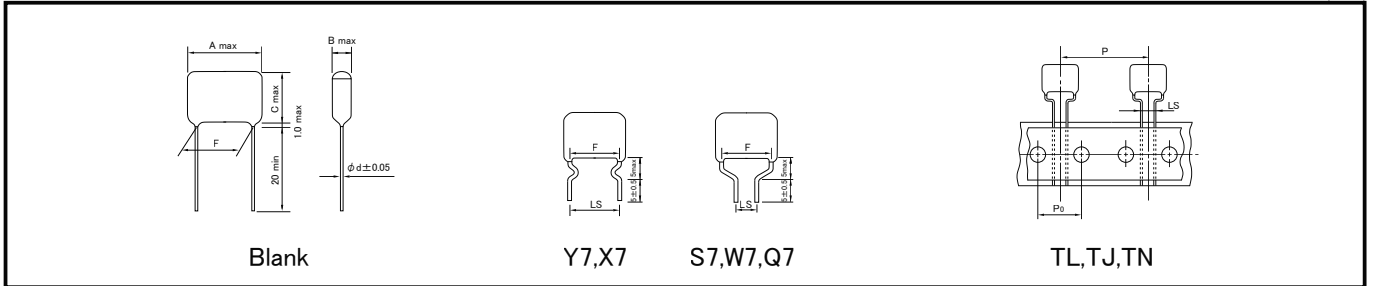
◆ 規格表 / SPECIFICATION

| 項目 Item   | 特性 Characteristics                            |
|---|---|
| カテゴリ温度範囲<br>Category Temperature Range          | -40 ~ +105°C                                  |
| 定格電圧範囲<br>Rated Voltage Range (U <sub>R</sub> ) | 800Vdc/250Vac, 1250Vdc/400Vac, 1600Vdc/700Vac |
| 静電容量許容差<br>Capacitance Tolerance                | ±5%(J)  |
| 誘電正接<br>tan δ                                   | 0.001max at 1kHz                              |
| 耐電圧<br>Voltage Proof                            | U <sub>R</sub> × 150% 60s                     |
| 絶縁抵抗<br>Insulation Resistance                   | 30000MΩ min                                   |
| 準拠規格<br>Reference Standard                      | JIS C 5101-17, JIS C 5101-1                   |

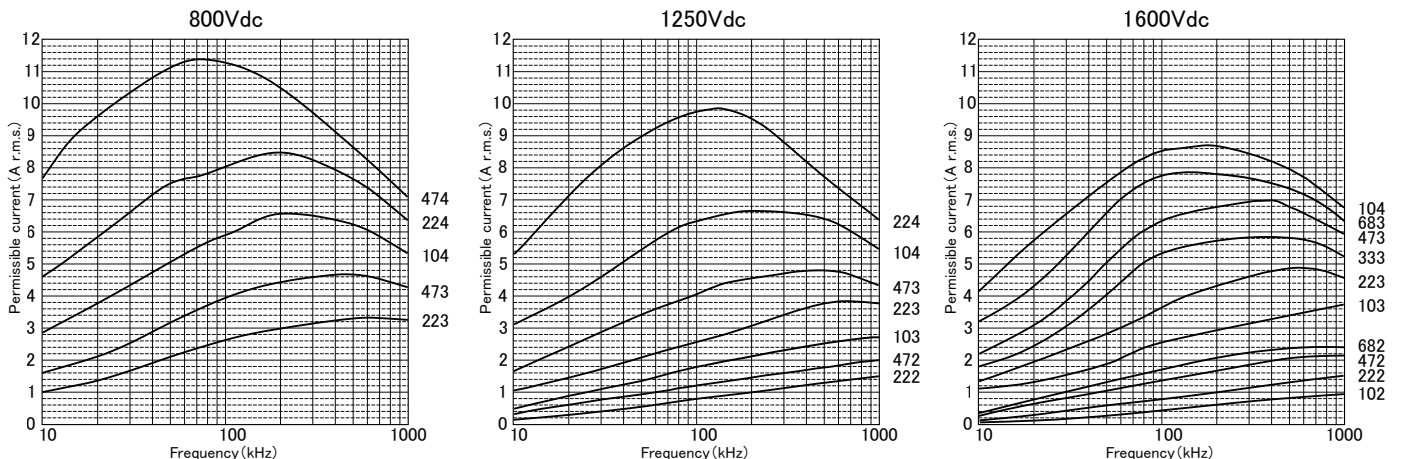
◆ 呼称方法 / PART NUMBER



◆ 寸法図 / DIMENSIONS



◆ 周波数に対する許容電流 / PERMISSIBLE CURRENT FOR FREQUENCY



◆標準品一覧表/STANDARD SIZE

\*\*：リード加工記号/Lead Forming

| 定格電圧<br>Rated Voltage | 静電容量<br>Capacitance<br>( $\mu$ F) | 寸法<br>Dimensions (mm)  |      |      |                   |                   |     | 標準梱包数/Typical Packaging Quantity (pcs) |        |  |       |       |     |              | 品番<br>Part No     |
|-----------------------|-----------------------------------|--|------|------|-------------------|-------------------|-----|--|--------|--|-------|-------|-----|--------------|-------------------|
|                       |                                   | A  | B    | C    | F $\pm$ 1.0       | LS $\pm$ 0.5      | d   | ロングリード品<br>Long Lead type              |        | テーピング(つづら)品 - 形状別<br>Taping Ammo Pack Type - Style |       |       |     |              |                   |
|                       |                                   |  |      |      |                   |                   |     | Bag                                    | Carton | TC   | TX,TH | TL,TJ | TN  | TS           |                   |
| 800Vdc<br>/ 250Vac    | 0.001                             | この範囲はMPEシリーズ(1600Vdc)をご使用ください<br>The item of this range, please select out of MPE(1600Vdc) series. |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0012                            |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0015                            |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0018                            |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0022                            |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0027                            |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0033                            |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0039                            |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0047                            |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0056                            | この範囲はMPEシリーズ(1250Vdc)をご使用ください<br>The item of this range, please select out of MPE(1250Vdc) series. |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0068                            |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0082                            |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.01                              |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.012                             |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.015                             |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.018                             |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.022                             | 18.0   | 7.5  | 13.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 100                                    | 2,000  | -  | -     | 400   | 400 | -            | 800MPE223J**      |
|                       | 0.027                             | 18.0   | 8.0  | 13.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 100                                    | 2,000  | -  | -     | 400   | 300 | -            | 800MPE273J**      |
|                       | 0.033                             | 18.0   | 9.0  | 14.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 1,000  | -  | -     | 400   | 300 | -            | 800MPE333J**      |
|                       | 0.039                             | 18.0   | 9.5  | 15.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 1,000  | -  | -     | 300   | 300 | -            | 800MPE393J**      |
|                       | 0.047                             | 18.0   | 9.5  | 16.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 1,000  | -  | -     | 300   | 300 | -            | 800MPE473J**      |
|                       | 0.056                             | 18.0   | 10.5 | 17.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 1,000  | -  | -     | -     | -   | -            | 800MPE563J**      |
|                       | 0.068                             | 18.0   | 11.5 | 18.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 1,000  | -  | -     | -     | -   | -            | 800MPE683J**      |
|                       | 0.082                             | 18.0   | 12.0 | 20.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 800    | -  | -     | -     | -   | -            | 800MPE823J**      |
|                       | 0.1                               | 18.5   | 13.5 | 22.0 | 15.0              | 5.0/7.5/10.0/15.0 | 1.0 | 100                                    | 800    | -  | -     | -     | -   | -            | 800MPE104J**      |
|                       | 0.12                              | 18.5   | 15.0 | 23.5 | 15.0              | 5.0/7.5/10.0/15.0 | 1.0 | 100                                    | 500    | -  | -     | -     | -   | -            | 800MPE124J**      |
|                       | 0.15                              | 18.5   | 16.5 | 25.5 | 15.0              | 5.0/7.5/10.0/15.0 | 1.0 | 100                                    | 500    | -  | -     | -     | -   | -            | 800MPE154J**      |
| 0.18                  | 18.5                              | 18.5   | 27.5 | 15.0 | 5.0/7.5/10.0/15.0 | 1.0               | 100 | 500                                    | -      | -  | -     | -     | -   | 800MPE184J** |                   |
| 0.22                  | 18.5                              | 20.5   | 29.5 | 15.0 | 5.0/7.5/10.0/15.0 | 1.0               | 100 | 500                                    | -      | -  | -     | -     | -   | 800MPE224J** |                   |
| 0.27                  | 18.5                              | 22.5   | 31.5 | 15.0 | 5.0/7.5/10.0/15.0 | 1.0               | 100 | 300                                    | -      | -  | -     | -     | -   | 800MPE274J** |                   |
| 0.33                  | 23.5                              | 21.5   | 30.0 | 20.0 | 20.0              | 1.0               | 100 | 300                                    | -      | -  | -     | -     | -   | 800MPE334J** |                   |
| 0.39                  | 23.5                              | 23.0   | 32.0 | 20.0 | 20.0              | 1.2               | 50  | 200                                    | -      | -  | -     | -     | -   | 800MPE394J** |                   |
| 0.47                  | 23.5                              | 25.0   | 34.0 | 20.0 | 20.0              | 1.2               | 50  | 200                                    | -      | -  | -     | -     | -   | 800MPE474J** |                   |
| 0.56                  | 23.5                              | 27.5   | 36.5 | 20.0 | 20.0              | 1.2               | 50  | 200                                    | -      | -  | -     | -     | -   | 800MPE564J** |                   |
| 1250Vdc<br>/ 400Vac   | 0.001                             | この範囲はMPEシリーズ(1600Vdc)をご使用ください<br>The item of this range, please select out of MPE(1600Vdc) series. |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0012                            |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0015                            |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0018                            |  |      |      |                   |                   |     |  |        |  |       |       |     |              |                   |
|                       | 0.0022                            | 18.0   | 5.5  | 9.5  | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 200                                    | 4,000  | -  | -     | 500   | 500 | -            | 121MPE222J**P0520 |
|                       | 0.0027                            | 18.0   | 5.5  | 11.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 3,000  | -  | -     | 500   | 500 | -            | 121MPE272J**P0520 |
|                       | 0.0033                            | 18.0   | 5.5  | 11.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 3,000  | -  | -     | 500   | 500 | -            | 121MPE332J**P0520 |
|                       | 0.0039                            | 18.0   | 6.0  | 11.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 2,000  | -  | -     | 500   | 500 | -            | 121MPE392J**P0520 |
|                       | 0.0047                            | 18.0   | 6.5  | 12.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 2,000  | -  | -     | 500   | 400 | -            | 121MPE472J**P0520 |
|                       | 0.0056                            | 18.0   | 7.0  | 12.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 2,000  | -  | -     | 500   | 400 | -            | 121MPE562J**P0520 |
|                       | 0.0068                            | 18.0   | 7.5  | 13.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 2,000  | -  | -     | 400   | 400 | -            | 121MPE682J**P0520 |
|                       | 0.0082                            | 18.0   | 6.0  | 11.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 2,000  | -  | -     | 400   | 300 | -            | 121MPE822J**P0520 |
|                       | 0.01                              | 18.0   | 7.0  | 12.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 1,000  | -  | -     | 400   | 300 | -            | 121MPE103J**P0520 |
|                       | 0.012                             | 18.0   | 7.0  | 12.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 2,000  | -  | -     | 500   | 400 | -            | 121MPE123J**P0520 |
|                       | 0.015                             | 18.0   | 7.5  | 13.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 2,000  | -  | -     | 400   | 400 | -            | 121MPE153J**P0520 |
|                       | 0.018                             | 18.0   | 8.0  | 13.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 2,000  | -  | -     | 400   | 300 | -            | 121MPE183J**P0520 |
|                       | 0.022                             | 18.0   | 8.0  | 15.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 100                                    | 1,000  | -  | -     | 400   | 300 | -            | 121MPE223J**      |
|                       | 0.027                             | 18.0   | 9.0  | 16.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 1,000  | -  | -     | 400   | 300 | -            | 121MPE273J**      |
|                       | 0.033                             | 18.0   | 9.5  | 18.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 1,000  | -  | -     | -     | -   | -            | 121MPE333J**      |
|                       | 0.039                             | 18.0   | 10.0 | 18.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 1,000  | -  | -     | -     | -   | -            | 121MPE393J**      |
|                       | 0.047                             | 18.5   | 11.5 | 20.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 1,000  | -  | -     | -     | -   | -            | 121MPE473J**      |
|                       | 0.056                             | 18.5   | 12.0 | 20.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 800    | -  | -     | -     | -   | -            | 121MPE563J**      |
|                       | 0.068                             | 18.5   | 13.0 | 21.5 | 15.0              | 5.0/7.5/10.0/15.0 | 1.0 | 200                                    | 800    | -  | -     | -     | -   | -            | 121MPE683J**      |
|                       | 0.082                             | 18.5   | 14.5 | 23.0 | 15.0              | 5.0/7.5/10.0/15.0 | 1.0 | 100                                    | 500    | -  | -     | -     | -   | -            | 121MPE823J**      |
|                       | 0.1                               | 18.5   | 16.0 | 25.0 | 15.0              | 5.0/7.5/10.0/15.0 | 1.0 | 100                                    | 500    | -  | -     | -     | -   | -            | 121MPE104J**      |
|                       | 0.12                              | 18.5   | 17.0 | 27.5 | 15.0              | 5.0/7.5/10.0/15.0 | 1.0 | 100                                    | 500    | -  | -     | -     | -   | -            | 121MPE124J**      |
|                       | 0.15                              | 18.5   | 20.0 | 29.0 | 15.0              | 5.0/7.5/10.0/15.0 | 1.0 | 100                                    | 500    | -  | -     | -     | -   | -            | 121MPE154J**      |
| 0.18                  | 18.5                              | 22.0   | 31.0 | 15.0 | 5.0/7.5/10.0/15.0 | 1.0               | 100 | 400                                    | -      | -  | -     | -     | -   | 121MPE184J** |                   |
| 0.22                  | 23.5                              | 20.5   | 30.0 | 20.0 | 20.0              | 1.0               | 100 | 300                                    | -      | -  | -     | -     | -   | 121MPE224J** |                   |
| 0.27                  | 23.5                              | 23.0   | 32.0 | 20.0 | 20.0              | 1.2               | 50  | 200                                    | -      | -  | -     | -     | -   | 121MPE274J** |                   |
| 0.33                  | 23.5                              | 25.5   | 34.5 | 20.0 | 20.0              | 1.2               | 50  | 200                                    | -      | -  | -     | -     | -   | 121MPE334J** |                   |

・上記以外の容量はお問い合わせください。  
For details, please consult our sales offices.

◆標準品一覧表/STANDARD SIZE

\*\*：リード加工記号/Lead Forming

| 定格電圧<br>Rated Voltage  | 静電容量<br>Capacitance<br>( $\mu$ F) | 寸法<br>Dimensions (mm) |      |      |                   |                   |     | 標準梱包数/Typical Packaging Quantity (pcs) |        |  |       |       |     |              | 品番<br>Part No     |
|------------------------|-----------------------------------|-----------------------|------|------|-------------------|-------------------|-----|--|--------|--|-------|-------|-----|--------------|-------------------|
|                        |                                   | A                     | B    | C    | F $\pm$ 1.0       | LS $\pm$ 0.5      | d   | ロングリード品<br>Long Lead type              |        | テーピング(つづら)品 - 形状別<br>Taping Ammo Pack Type - Style |       |       |     |              |                   |
|                        |                                   |                       |      |      |                   |                   |     | Bag                                    | Carton | TC   | TX,TH | TL,TJ | TN  | TS           |                   |
| 1600Vdc<br>/<br>700Vac | 0.001                             | 18.0                  | 6.0  | 9.0  | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 200                                    | 4000   | -  | -     | 500   | 500 | -            | 161MPE102J**P0520 |
|                        | 0.0012                            | 18.0                  | 6.0  | 9.0  | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 200                                    | 4000   | -  | -     | 500   | 500 | -            | 161MPE122J**P0520 |
|                        | 0.0015                            | 18.0                  | 6.0  | 9.0  | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 200                                    | 3000   | -  | -     | 500   | 500 | -            | 161MPE152J**P0520 |
|                        | 0.0018                            | 18.0                  | 6.0  | 10.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 2000   | -  | -     | 500   | 500 | -            | 161MPE182J**P0520 |
|                        | 0.0022                            | 18.0                  | 6.0  | 12.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 2000   | -  | -     | 500   | 500 | -            | 161MPE222J**P0520 |
|                        | 0.0027                            | 18.0                  | 6.0  | 13.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 2000   | -  | -     | 500   | 500 | -            | 161MPE272J**P0520 |
|                        | 0.0033                            | 18.0                  | 6.0  | 14.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 2000   | -  | -     | 500   | 500 | -            | 161MPE332J**P0520 |
|                        | 0.0039                            | 18.0                  | 7.5  | 14.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 1000   | -  | -     | 400   | 400 | -            | 161MPE392J**P0520 |
|                        | 0.0047                            | 18.0                  | 7.5  | 15.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.6 | 100                                    | 1000   | -  | -     | 400   | 400 | -            | 161MPE472J**P0520 |
|                        | 0.0056                            | 18.0                  | 8.5  | 17.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 100                                    | 1000   | -  | -     | 400   | 300 | -            | 161MPE562J**      |
|                        | 0.0068                            | 18.0                  | 8.5  | 17.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 1000   | -  | -     | 400   | 300 | -            | 161MPE682J**      |
|                        | 0.0082                            | 18.0                  | 8.5  | 17.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 1000   | -  | -     | 400   | 300 | -            | 161MPE822J**      |
|                        | 0.01                              | 18.0                  | 10.0 | 18.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 1000   | -  | -     | 300   | 300 | -            | 161MPE103J**      |
|                        | 0.012                             | 18.0                  | 11.5 | 20.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 1000   | -  | -     | -     | -   | -            | 161MPE123J**      |
|                        | 0.015                             | 18.5                  | 12.0 | 22.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 200                                    | 800    | -  | -     | -     | -   | -            | 161MPE153J**      |
|                        | 0.018                             | 18.5                  | 13.5 | 24.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 100                                    | 500    | -  | -     | -     | -   | -            | 161MPE183J**      |
|                        | 0.022                             | 18.5                  | 15.5 | 25.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 100                                    | 500    | -  | -     | -     | -   | -            | 161MPE223J**      |
|                        | 0.027                             | 18.5                  | 17.0 | 27.0 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 100                                    | 500    | -  | -     | -     | -   | -            | 161MPE273J**      |
|                        | 0.033                             | 18.5                  | 19.0 | 28.5 | 15.0              | 5.0/7.5/10.0/15.0 | 0.8 | 100                                    | 500    | -  | -     | -     | -   | -            | 161MPE333J**      |
|                        | 0.039                             | 18.5                  | 21.0 | 30.0 | 15.0              | 5.0/7.5/10.0/15.0 | 1.0 | 100                                    | 500    | -  | -     | -     | -   | -            | 161MPE393J**      |
| 0.047                  | 18.5                              | 23.0                  | 32.0 | 15.0 | 5.0/7.5/10.0/15.0 | 1.0               | 100 | 500                                    | -      | -  | -     | -     | -   | 161MPE473J** |                   |
| 0.056                  | 23.5                              | 21.5                  | 30.0 | 20.0 | 20.0              | 1.0               | 100 | 300                                    | -      | -  | -     | -     | -   | 161MPE563J** |                   |
| 0.068                  | 23.5                              | 23.5                  | 32.5 | 20.0 | 20.0              | 1.2               | 50  | 300                                    | -      | -  | -     | -     | -   | 161MPE683J** |                   |
| 0.082                  | 23.5                              | 25.5                  | 34.5 | 20.0 | 20.0              | 1.2               | 50  | 200                                    | -      | -  | -     | -     | -   | 161MPE823J** |                   |
| 0.1                    | 23.5                              | 28.5                  | 37.5 | 20.0 | 20.0              | 1.2               | 50  | 200                                    | -      | -  | -     | -     | -   | 161MPE104J** |                   |

・上記以外の容量はお問い合わせください。  
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