



ROADMAP MLCC  
2026

| Case Size<br>inch (mm) | Capacitance | 1R0 | 2R0 | 3R0 | 4R0 | 5R0 | 6R0 | 7R0 | 8R0 | 9R0 | 100  | 120  | 150  | 180  | 220  | 270  | 330  | 390  | 470  | 560  | 680  | 820  | 101   | 221   | 241   | 271   | 331   |
|------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
|                        | Voltage     | 1pF | 2pF | 3pF | 4pF | 5pF | 6pF | 7pF | 8pF | 9pF | 10pF | 12pF | 15pF | 18pF | 22pF | 27pF | 33pF | 39pF | 47pF | 56pF | 68pF | 82pF | 100pF | 220pF | 240pF | 270pF | 330pF |
| 008004 (0201)          | 10          |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |
|                        | 16          |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |
|                        | 25          |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |
|                        | 50          |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |

|              |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 01005 (0402) | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | 25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|              | 50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| Case Size<br>inch (mm) | Capacitance | 200  | 300  | 390  | 470  | 560  | 680  | 750  | 820  | 910  | 101   | 151   | 201   | 221   | 271   | 301   | 331   | 391   | 471   | 561   | 681   | 821   | 102 |
|------------------------|-------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
|                        | Voltage     | 20pF | 33pF | 39pF | 47pF | 56pF | 68pF | 75pF | 82pF | 91pF | 100pF | 150pF | 200pF | 220pF | 270pF | 300pF | 330pF | 390pF | 470pF | 560pF | 680pF | 820pF | 1nF |
| 0201 (0603)            | 16          |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |     |
|                        | 25          |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |     |
|                        | 50          |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |     |
|                        | 100         |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |     |

|             |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0402 (1005) | 16  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|             | 25  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|             | 50  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|             | 100 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| Case Size<br>inch (mm) | Capacitance | 102 | 222   | 472   | 103  | 223  | 473  | 104   | 224   | 474   | 105 | 225   | 475   | 106         | 226  | 476         | 107         | 157         | 227         | 337   | 477   | 108 |
|------------------------|-------------|-----|-------|-------|------|------|------|-------|-------|-------|-----|-------|-------|-------------|------|-------------|-------------|-------------|-------------|-------|-------|-----|
|                        | Voltage     | 1nF | 2.2nF | 4.7nF | 10nF | 22nF | 47nF | 100nF | 220nF | 470nF | 1µF | 2.2µF | 4.7µF | 10µF        | 22µF | 47µF        | 100µF       | 150µF       | 220µF       | 330µF | 470µF | 1mF |
| 0201 (0603)            | 2,5         |     |       |       |      |      |      |       |       |       |     | X6S   | X5R   |             |      |             |             |             |             |       |       |     |
|                        | 4           |     |       |       |      |      |      |       |       | X6S   | X6S | X5R   | X5R   |             |      |             |             |             |             |       |       |     |
|                        | 6,3         |     |       |       |      |      |      | X6S   | X6S   | X6S   | X6S |       |       |             |      |             |             |             |             |       |       |     |
|                        | 10          |     |       |       |      | X5R  | X5R  | X6S   | X6S   | X6S   | X5R |       |       |             |      |             |             |             |             |       |       |     |
|                        | 16          |     | X7R   | X7R   | X7R  | X7R  | X5R  | X6S   | X5R   | X6S   | X5R |       |       |             |      |             |             |             |             |       |       |     |
|                        | 25          |     | X7R   | X7R   | X7R  | X5R  |      | X6S   |       |       |     |       |       |             |      |             |             |             |             |       |       |     |
|                        | 35          |     |       |       |      |      |      | X5R   |       |       |     |       |       |             |      |             |             |             |             |       |       |     |
|                        | 50          | X7R | X5R   | X5R   | X5R  |      |      |       |       |       |     |       |       |             |      |             |             |             |             |       |       |     |
| 0402 (1005)            | 2,5         |     |       |       |      |      |      |       |       |       |     |       |       |             | X6S  | coming soon | coming soon |             |             |       |       |     |
|                        | 4           |     |       |       |      |      |      |       |       | X5R   | X5R | X5R   | X6S   | X6S         | X5R  | coming soon |             |             |             |       |       |     |
|                        | 6,3         |     |       |       |      |      |      |       | X7R   | X7R   | X5R | X6S   | X6S   | X6S         |      |             |             |             |             |       |       |     |
|                        | 10          |     |       |       |      |      |      | X5R   | X7R   | X7R   | X6S | X6S   | X5R   |             |      |             |             |             |             |       |       |     |
|                        | 16          |     |       |       |      | X7R  | X7R  | X7R   | X7R   | X5R   | X6S | X6S   |       |             |      |             |             |             |             |       |       |     |
|                        | 25          |     |       |       | X5R  | X7R  | X7R  | X7R   | X7R   | X5R   | X6S | X5R   |       |             |      |             |             |             |             |       |       |     |
|                        | 35          |     |       |       |      |      |      | X5R   |       |       | X6S |       |       |             |      |             |             |             |             |       |       |     |
|                        | 50          |     | X7R   | X7R   | X7R  | X7R  | X7R  | X7R   | X5R   | X5R   | X5R |       |       |             |      |             |             |             |             |       |       |     |
|                        | 100         | X7R | X7R   | X7R   |      |      |      |       |       |       |     |       |       |             |      |             |             |             |             |       |       |     |
| 0603 (1608)            | 2,5         |     |       |       |      |      |      |       |       |       |     |       |       |             | X6S  | coming soon |             | coming soon |             |       |       |     |
|                        | 4           |     |       |       |      |      |      |       |       |       |     |       |       |             | X6S  | X6S         | coming soon |             |             |       |       |     |
|                        | 6,3         |     |       |       |      |      |      |       |       |       | X5R | X7R   | X7R   | X6S         | X6S  | X5R         |             |             |             |       |       |     |
|                        | 10          |     |       |       |      |      |      |       |       |       | X6S | X7R   | X6S   | X6S         | X5R  |             |             |             |             |       |       |     |
|                        | 16          |     |       |       |      |      |      |       |       | X7R   | X7R | X7R   | X6S   | X6S         |      |             |             |             |             |       |       |     |
|                        | 25          |     |       |       |      |      |      |       |       | X7R   | X7R | X6S   | X5R   | X5R         |      |             |             |             |             |       |       |     |
|                        | 35          |     |       |       |      |      |      |       |       |       |     |       | X5R   |             |      |             |             |             |             |       |       |     |
|                        | 50          |     |       |       |      |      |      | X7R   | X7R   | X7R   | X5R |       |       |             |      |             |             |             |             |       |       |     |
|                        | 100         | X7R | X7R   | X7R   | X7R  | X7R  | X7R  | X7R   | X7S   |       |     |       |       |             |      |             |             |             |             |       |       |     |
| 0805 (2012)            | 2,5         |     |       |       |      |      |      |       |       |       |     |       |       |             |      |             | X5R         |             | coming soon |       |       |     |
|                        | 4           |     |       |       |      |      |      |       |       |       |     |       |       |             | X6S  | X6S         | X6S         |             | coming soon |       |       |     |
|                        | 6,3         |     |       |       |      |      |      |       |       |       |     |       |       |             | X6S  | X6S         | X5R         |             |             |       |       |     |
|                        | 10          |     |       |       |      |      |      |       |       |       | X7R | X7R   | X7R   | X7R         | X6S  | X5R         | coming soon |             |             |       |       |     |
|                        | 16          |     |       |       |      |      |      |       |       | X7R   | X7R | X7R   | X7R   | X7R         | X6S  | coming soon |             |             |             |       |       |     |
|                        | 25          |     |       |       |      |      |      |       |       | X5R   | X5R | X7R   | X7R   | X6S         | X5R  |             |             |             |             |       |       |     |
|                        | 35          |     |       |       |      |      |      |       |       |       | X7R | X5R   | X5R   | X5R         |      |             |             |             |             |       |       |     |
|                        | 50          |     |       |       |      |      |      | X7R   | X7R   | X7R   | X7R | X7R   | X5R   | coming soon |      |             |             |             |             |       |       |     |
|                        | 100         |     |       |       | X7R  | X7R  | X7R  | X7R   | X7R   | X7S   | X5R |       |       |             |      |             |             |             |             |       |       |     |
|                        | 250         | X7R | X7R   | X7R   | X7R  | X7R  |      |       |       |       |     |       |       |             |      |             |             |             |             |       |       |     |

| Case Size<br>inch (mm) | Capacitance | 102 | 222   | 472   | 103  | 223  | 473  | 104   | 224   | 474   | 105 | 225   | 475   | 106  | 226  | 476  | 107   | 157   | 227   | 337         | 477         | 108 |
|------------------------|-------------|-----|-------|-------|------|------|------|-------|-------|-------|-----|-------|-------|------|------|------|-------|-------|-------|-------------|-------------|-----|
|                        | Voltage     | 1nF | 2.2nF | 4.7nF | 10nF | 22nF | 47nF | 100nF | 220nF | 470nF | 1µF | 2.2µF | 4.7µF | 10µF | 22µF | 47µF | 100µF | 150µF | 220µF | 330µF       | 470µF       | 1mF |
| 1206 (3216)            | 2,5         |     |       |       |      |      |      |       |       |       |     |       |       |      |      |      |       |       | X6S   |             |             |     |
|                        | 4           |     |       |       |      |      |      |       |       |       |     |       |       |      |      | X7S  | X6S   | X5R   | X6S   |             |             |     |
|                        | 6,3         |     |       |       |      |      |      |       |       |       |     |       |       | X5R  | X5R  | X7S  | X5R   |       | X5R   |             |             |     |
|                        | 10          |     |       |       |      |      |      |       |       |       |     |       |       | X5R  | X7R  | X7R  | X6S   | X5R   |       | coming soon |             |     |
|                        | 16          |     |       |       |      |      |      |       |       |       |     | X5R   | X7R   | X7R  | X7R  | X5R  |       |       |       |             |             |     |
|                        | 25          |     |       |       |      |      |      |       |       |       | X5R | X5R   | X7R   | X7R  | X6S  |      |       |       |       |             |             |     |
|                        | 35          |     |       |       |      |      |      |       |       |       |     |       | X5R   | X7R  |      |      |       |       |       |             |             |     |
|                        | 50          |     |       |       |      |      |      |       |       |       | X5R | X7R   | X7R   | X5R  |      |      |       |       |       |             |             |     |
|                        | 100         |     |       |       |      |      | X7R  | X7R   | X7R   | X7R   | X7R | X7S   |       |      |      |      |       |       |       |             |             |     |
|                        | 250         |     |       |       |      |      | X7R  | X7R   |       |       |     |       |       |      |      |      |       |       |       |             |             |     |
|                        | 630         | X7R | X7R   | X7R   | X7R  | X7R  | X7R  |       |       |       |     |       |       |      |      |      |       |       |       |             |             |     |
| 1210 (3225)            | 2,5         |     |       |       |      |      |      |       |       |       |     |       |       |      |      |      |       |       | X6S   | X6S         |             |     |
|                        | 4           |     |       |       |      |      |      |       |       |       |     |       |       |      |      |      |       | X6S   | X6S   | X6S         | coming soon |     |
|                        | 6,3         |     |       |       |      |      |      |       |       |       |     |       |       |      | X5R  | X7R  | X7S   | X5R   | X5R   | X5R         |             |     |
|                        | 10          |     |       |       |      |      |      |       |       |       |     |       | X5R   | X7R  | X5R  | X7R  | X6S   |       |       |             |             |     |
|                        | 16          |     |       |       |      |      |      |       |       |       |     |       | X7R   | X7R  | X7R  | X6S  | X5R   |       |       |             |             |     |
|                        | 25          |     |       |       |      |      |      |       |       |       |     |       | X7R   | X7R  | X7R  | X5R  |       |       |       |             |             |     |
|                        | 35          |     |       |       |      |      |      |       |       |       |     | X5R   | X5R   | X5R  | X5R  |      |       |       |       |             |             |     |
|                        | 50          |     |       |       |      |      |      |       |       |       | X5R |       | X7R   | X7R  |      |      |       |       |       |             |             |     |
|                        | 100         |     |       |       |      |      | X7R  | X7R   | X7R   |       | X7R | X7R   | X7S   |      |      |      |       |       |       |             |             |     |
|                        | 250         |     |       |       |      |      | X7R  | X7R   | X7R   |       |     |       |       |      |      |      |       |       |       |             |             |     |
|                        | 630         |     |       |       |      | X7R  | X7R  |       |       |       |     |       |       |      |      |      |       |       |       |             |             |     |
| 1812 (4532)            | 2,5         |     |       |       |      |      |      |       |       |       |     |       |       |      |      |      |       |       |       |             | X6S         |     |
|                        | 4           |     |       |       |      |      |      |       |       |       |     |       |       |      |      |      |       |       |       |             | X5R         |     |
|                        | 100         |     |       |       |      |      |      |       |       | X7R   | X7R | X7R   |       |      |      |      |       |       |       |             |             |     |
|                        | 250         |     |       |       |      |      |      | X7R   | X7R   | X7R   |     |       |       |      |      |      |       |       |       |             |             |     |
|                        | 630         |     |       |       |      |      | X7R  | X7R   |       |       |     |       |       |      |      |      |       |       |       |             |             |     |
|                        | 2000        |     | X7R   | X7R   |      |      |      |       |       |       |     |       |       |      |      |      |       |       |       |             |             |     |

| Case Size<br>inch (mm) | Capacitance | 102 | 222   | 472   | 103  | 223  | 473         | 104         | 224   | 105         |
|------------------------|-------------|-----|-------|-------|------|------|-------------|-------------|-------|-------------|
|                        | Voltage     | 1nF | 2.2nF | 4.7nF | 10nF | 22nF | 47nF        | 100nF       | 220nF | 1uF         |
| 008004 (0201)          | 2,5         |     |       |       |      |      | coming soon | coming soon |       |             |
|                        | 4           |     |       |       |      | X5R  | coming soon |             |       |             |
|                        | 6,3         |     | X5R   | X5R   | X5R  |      |             |             |       |             |
|                        | 16          | X5R |       |       |      |      |             |             |       |             |
| 01005 (0402)           | 2,5         |     |       |       |      |      |             |             | X6S   | coming soon |
|                        | 4           |     |       |       | X6S  | X6T  | X6S         | X5R         | X5R   |             |
|                        | 6,3         |     | X5R   | X5R   | X6S  | X5R  | X5R         | X5R         | X5R   |             |
|                        | 10          | X7R | X6S   | X6S   | X6S  |      |             | X5R         |       |             |
|                        | 16          | X7R | X5R   | X5R   | X5R  |      |             |             |       |             |

X = -55°C, 5 = +85°C, 6 = +105°C, 7 = +125°C – Permissible capacitance variation over the specified temperature range: ±15% (R) / ±22% (S).

# What's your mission?

## SALES

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