



**THE DATASHEET OF
DE2E3KY222MA3BU02F**



● Part Numbering

Safety Standard Certified Lead Type Disc Ceramic Capacitors

(Part Number)

| | | | | | | | |
|-----|----|----|-----|---|----|---|------|
| DE1 | E3 | RA | 102 | M | N4 | A | N01F |
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ |

① Series

| Code | Series | Contents |
|------|---|--------------------------|
| DE1 | Safety Standard Certified Lead Type Disc Ceramic Capacitors for Consumer Electronics & Industrial Equipment | IEC60384-14 Class X1, Y1 |
| DE2 | | IEC60384-14 Class X1, Y2 |
| DE6 | Safety Standard Certified Lead Type Disc Ceramic Capacitors for Automotive (Powertrain/Safety) | IEC60384-14 Class X1, Y2 |

② Temperature Characteristics

| Code | Temperature Characteristics | Cap. Change or Temp. Coeff. | Temperature Range |
|------|-----------------------------|-----------------------------|-------------------|
| B3 | B | ±10% | -25 to +85°C |
| E3 | E | +20%, -55% | |
| F3 | F | +30%, -80% | |
| 1X | SL | +350 to -1000ppm/°C | +20 to +85°C |

③ Certified Type

| Code | ③ Individual Specification Code | Rated Voltage | Certified Type |
|------|---------------------------------|---|----------------|
| RA | H*** | X1 : 440Vac (r.m.s.), Y1 : 400Vac (r.m.s.), 1kVdc | Type RA |
| | N*** | X1 : 440Vac (r.m.s.), Y1 : 250Vac (r.m.s.), 1kVdc | |
| | P*** | X1 : 440Vac (r.m.s.), Y1 : 300Vac (r.m.s.), 1kVdc | |
| | Q*** | X1 : 500Vac (r.m.s.), Y1 : 500Vac (r.m.s.), 1.5kVdc | |
| RB | R*** | X1 : 760Vac (r.m.s.), Y1 : 500Vac (r.m.s.), 1.5kVdc | Type RB |
| KX | C*** | X1 : 440Vac (r.m.s.), Y1 : 250Vac (r.m.s.) | Type KX |
| | N*** | X1 : 440Vac (r.m.s.), Y1 : 250Vac (r.m.s.) | |
| | P*** | X1 : 440Vac (r.m.s.), Y1 : 300Vac (r.m.s.) | |
| SA | T*** | X1 : 300Vac (r.m.s.), Y2 : 250Vac (r.m.s.), 1kVdc | Type SA |
| | X*** | X1 : 300Vac (r.m.s.), Y2 : 300Vac (r.m.s.), 1kVdc | |
| | Y*** | X1 : 440Vac (r.m.s.), Y2 : 400Vac (r.m.s.), 1.5kVdc | |
| KY | M*** | X1 : 250Vac (r.m.s.), Y2 : 250Vac (r.m.s.) | Type KY |
| | U*** | X1 : 250Vac (r.m.s.), Y2 : 300Vac (r.m.s.) | |
| KJ | E*** | X1 : 440Vac (r.m.s.), Y2 : 300Vac (r.m.s.), 1kVdc | Type KJ |
| | - | | |

④ Capacitance

Expressed by three figures. The unit is pico-farad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two numbers.

⑤ Capacitance Tolerance

| Code | Capacitance Tolerance |
|------|-----------------------|
| J | ±5% |
| K | ±10% |
| M | ±20% |

⑥ Lead Style

| Code | Lead Style | Dimensions (mm) | | |
|-------|-----------------------|-----------------|---------------|---------------------|
| | | Lead Spacing | Lead Diameter | Pitch of Components |
| A2 | Vertical Crimp Long | 5 | ø0.6±0.05 | — |
| A3 | | 7.5 | | |
| A4 | | 10 | | |
| B2/J2 | Vertical Crimp Short | 5 | ø0.6±0.05 | — |
| B3/J3 | | 7.5 | | |
| B4/J4 | | 10 | | |
| N2 | Vertical Crimp Taping | 5 | ø0.6±0.05 | 12.7 |
| N3 | | 7.5 | | 15 |
| N4 | | 10 | | 25.4 |
| N7 | | 7.5 | | 30 |

⑦ Packaging

| Code | Packaging |
|------|------------------|
| A | Ammo Pack Taping |
| B | Bulk |

⑧ Individual Specification Code

For part number that cannot be identified without "Individual Specification," it is added at the end of part number, expressed by three or four-digit alphanumerics.

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