

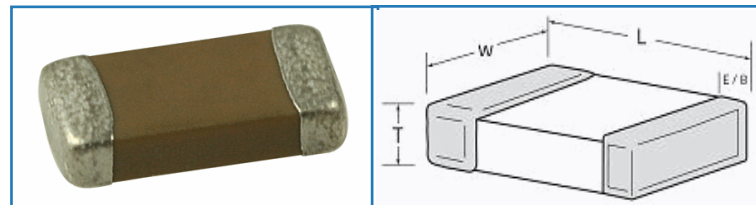
DATASHEET

C0603X7R500-272MNE

GENERAL PURPOSE CERAMIC CAPACITORS (C SERIES)
0603, X7R, 50V, 2700pF, $\pm 20\%$, 100% matte Tin(Sn) over Nickel



VENKEL LTD.



SIZE SPECIFICATIONS units: inches

| | |
|------------|-------|
| Length: | 0.063 |
| Width: | 0.032 |
| T(max): | 0.038 |
| Min E/B: | 0.008 |
| Size(EIA): | 0603 |

COMPONENT SPECIFICATIONS

| | |
|--------------------|--------------------------------|
| Category: | Ceramic Capacitors |
| Series: | General Purpose (C Series) |
| Size: | 0603 |
| Dielectric: | X7R |
| Voltage: | 50V |
| Capacitance: | 2700pF |
| Tolerance: | $\pm 20\%$ |
| Termination: | 100% matte Tin(Sn) over Nickel |
| Packaging: | Embossed Tape (7" Reel) |
| Quantity per Reel: | 4,000 |

DIELECTRIC SPECIFICATIONS

| | |
|---------------------------------|---|
| Temperature Coefficient: | $0 \pm 15\% \Delta^\circ\text{C MAX}$ |
| Temperature Voltage Coefficient | X7R not applicable |
| Ageing: | 2.5% per decade hour, typical |
| Withstanding Voltage: | >2.5 times VDCW |
| Operating Temp: | -55°C to $+125^\circ\text{C}$ |
| Dissipation Factor: | See C Series Datasheet |

COMPLIANCE STATUS

| | |
|-------------------------|-----------------------|
| RoHS Status | 6 of 6 Compliant |
| REACH Status | Compliant |
| Halogen Status | Halogen Free |
| Conflict Mineral Status | Conflict Mineral Free |

REEL DIMENSIONS units: mm

| Tape | B min | C | A(7'') | A(13'') | D Min | N Min | G | T max |
|------|-------|--------------|---------------|---------------|-------|-------|--------------|-------|
| 8mm | 0.30 | 13 \pm .05 | 178 \pm 2.0 | 330 \pm 2.0 | 20.20 | 50.00 | 10 \pm 1.5 | 14.90 |

TAPING SPECIFICATIONS units: mm

| A | B | W | F | E | Po |
|----------------------|----------------|---------------|---------------|----------------|---------------|
| 1.10 \pm 0.2 | 1.90 \pm 0.2 | 8.0 \pm 0.2 | 3.5 \pm 0.1 | 1.75 \pm 0.1 | 4.0 \pm 0.1 |
| Pz | D | T | P | To | T(E) |
| 2.0 \pm 0.05 - 0.0 | 1.5 \pm 0.1 | 1.15 MAX | 4.0 \pm 0.1 | | |