

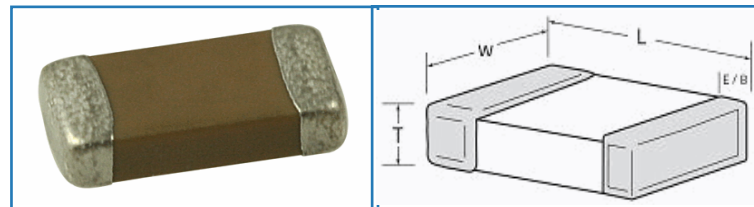
# DATASHEET

## C0402C0G250-1R8BNP

GENERAL PURPOSE CERAMIC CAPACITORS (C SERIES)  
0402, C0G, 25V, 1.8pF,  $\pm 0.1\text{pF}$ , 100% matte Tin(Sn) over Nickel



VENKEL LTD.



### SIZE SPECIFICATIONS units: inches

|            |       |
|------------|-------|
| Length:    | 0.040 |
| Width:     | 0.020 |
| T(max):    | 0.025 |
| Min E/B:   | 0.004 |
| Size(EIA): | 0402  |

### COMPONENT SPECIFICATIONS

|                    |                                |
|--------------------|--------------------------------|
| Category:          | Ceramic Capacitors             |
| Series:            | General Purpose (C Series)     |
| Size:              | 0402                           |
| Dielectric:        | C0G                            |
| Voltage:           | 25V                            |
| Capacitance:       | 1.8pF                          |
| Tolerance:         | $\pm 0.1\text{pF}$             |
| Termination:       | 100% matte Tin(Sn) over Nickel |
| Packaging:         | P                              |
| Quantity per Reel: | 10,000                         |

### DIELECTRIC SPECIFICATIONS

|                                 |                                               |
|---------------------------------|-----------------------------------------------|
| Temperature Coefficient:        | 0 $\pm 30\text{PPM}/^\circ\text{C}$           |
| Temperature Voltage Coefficient | 0 $\pm 30\text{PPM}/^\circ\text{C}$           |
| Ageing:                         | None                                          |
| Withstanding Voltage:           | 2.5 times VDCW                                |
| Operating Temp:                 | -55 $^\circ\text{C}$ to +125 $^\circ\text{C}$ |
| Dissipation Factor:             | 0.1% max                                      |

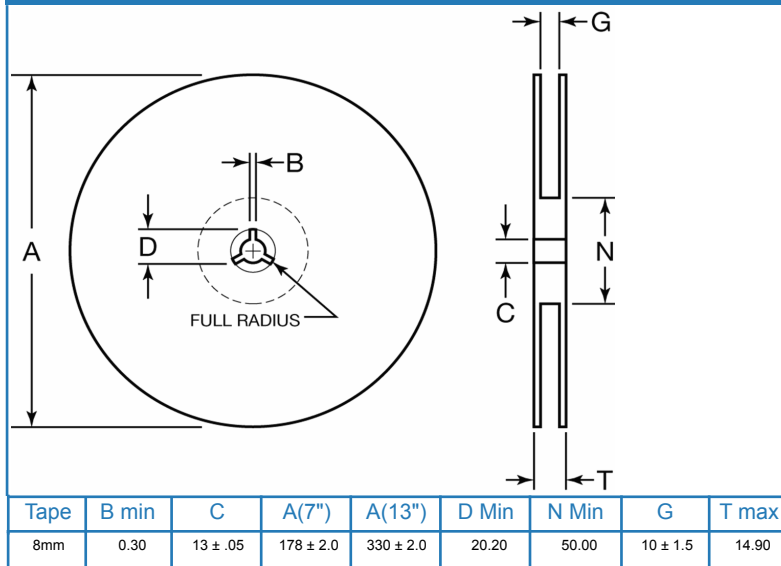
### ENVIRONMENTAL INFORMATION

|                            |                       |
|----------------------------|-----------------------|
| RoHS Status                | 6 of 6 Compliant      |
| REACH Status               | Compliant             |
| Halogen Status             | Halogen Free          |
| Conflict Mineral Status    | Conflict Mineral Free |
| Moisture Sensitivity Level | MSL1                  |

### REFLOW PROFILE

|                          |                      |
|--------------------------|----------------------|
| Max Reflow Temperature   | 260 $^\circ\text{C}$ |
| Number of Reflow Cycles  | 2                    |
| Time at Max Reflow Temp. | 10 sec               |

### REEL DIMENSIONS units: mm



### TAPING SPECIFICATIONS units: mm

