

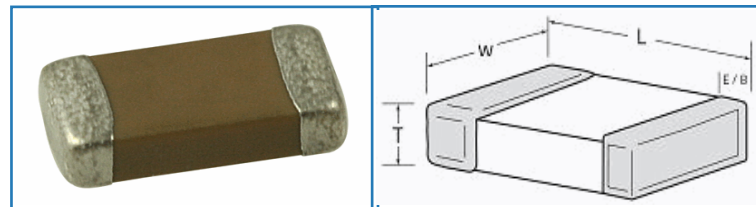
# DATASHEET

## C1206C0G101-4R7CNE

GENERAL PURPOSE CERAMIC CAPACITORS (C SERIES)  
1206, C0G, 100V, 4.7pF,  $\pm 0.25\text{pF}$ , 100% matte Tin(Sn) over Nickel



VENKEL LTD.



### SIZE SPECIFICATIONS units: inches

|            |                |
|------------|----------------|
| Length:    | 0.126          |
| Width:     | 0.063          |
| T(max):    | 0.070          |
| Min E/B:   | .020 $\pm$ .01 |
| Size(EIA): | 1206           |

### COMPONENT SPECIFICATIONS

|                    |                                |
|--------------------|--------------------------------|
| Category:          | Ceramic Capacitors             |
| Series:            | General Purpose (C Series)     |
| Size:              | 1206                           |
| Dielectric:        | C0G                            |
| Voltage:           | 100V                           |
| Capacitance:       | 4.7pF                          |
| Tolerance:         | $\pm 0.25\text{pF}$            |
| Termination:       | 100% matte Tin(Sn) over Nickel |
| Packaging:         | E                              |
| Quantity per Reel: | 4,000                          |

### 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                                      |

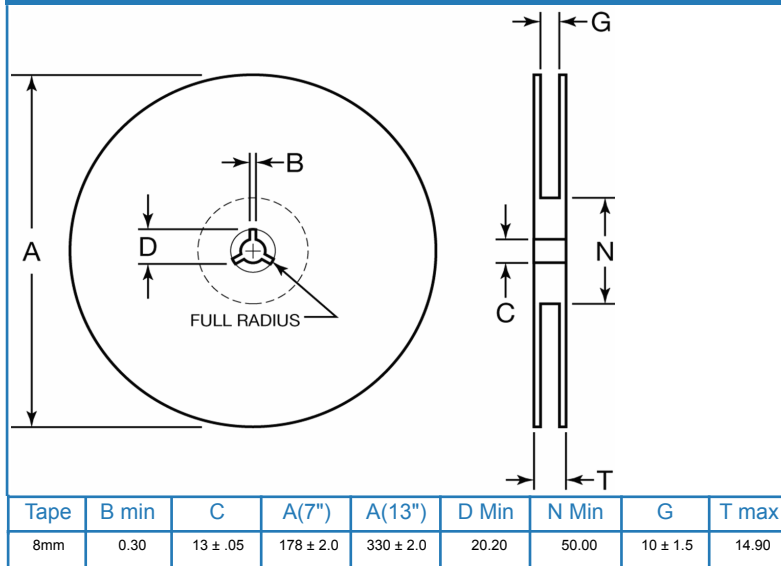
### ENVIRONMENTAL INFORMATION

|                            |                       |
|----------------------------|-----------------------|
| 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

