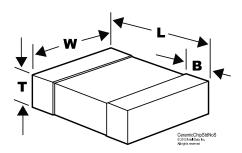
## **KEMET Part Number: C1812C104KDRACTU**

(C1812C104KDRAC7800)



Capacitor, Ceramic, SMD, MLCC, High Voltage, Temperature Stable, 0.1 uF, +/-10% Tol, 1000 V, X7R, 1812 (4532 metric)



| General Information      |  |  |
|--------------------------|--|--|
| Supplier:                | KEMET  |  |
| Application:             | Standard Chip                                  |  |
| Chip Size:               | 1812 (4532 metric)                             |  |
| Temperature Coefficient: | X7R  |  |
| Part Type Description:   | SMD, MLCC, High Voltage,<br>Temperature Stable |  |
| Termination Type:        | Tin (Sn)                                       |  |
| Marked:                  | No   |  |
| RoHS:                    | Yes  |  |

| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 4.5       | +/-0.3    |
| W               | 3.2       | +/-0.3    |
| Т               | 1.7       | +/-0.15   |
| В               | 0.6       | +/-0.35   |

| Packaging Specifications |              |  |
|--------------------------|--------------|--|
| Package Kind:            | T&R          |  |
| Package Size:            | 7 in/180 mm  |  |
| Package Type:            | Plastic Tape |  |
| Package Quantity:        | 1000         |  |

| Specifications         |  |  |
|------------------------|--|--|
| Capacitance:           | 0.1 uF   |  |
| Voltage:               | 1000 V   |  |
| Tolerance:             | +/-10%   |  |
| Temperature Range:     | -55/+125C  |  |
| Dissipation Factor:    | 2.5%   |  |
| Failure Rate:          | N/A  |  |
| Aging Rate:            | 3% loss/decade hour  |  |
| Insulation Resistance: | 1 GOhm   |  |
| Dielectric Strength:   | 1200 V   |  |
| Miscellaneous:         | Note: Referee time for X7R dielectric for this part number is 1000 hours |  |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

