

**KEMET Part Number: C1206C102KGRACTU**  
 (C1206C102KGRAC7800, C1206C102KGRACR, 1206C102KGRACTU)



Ceramic, Commercial Grade, KEMET, Commercial-(CxxxxC), 1000 pF, 10%, 2,000 V, 1206, X7R, SMD, MLCC, High Voltage, Temperature Stable



CeramicChipSolutions  
 © 2016 KEMET, Inc.  
 All rights reserved.

| Dimensions |                 |
|------------|-----------------|
| L          | 3.2mm +/-0.2mm  |
| W          | 1.6mm +/-0.2mm  |
| T          | 1.2mm +/-0.15mm |
| B          | 0.5mm +/-0.25mm |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging:               | T&R, 180mm, Plastic Tape |
| Packaging Quantity:      | 2500                     |

| General Information |  |
|---------------------|--|
| Style:              | SMD Chip   |
| Supplier:           | KEMET  |
| Series:             | Commercial-(CxxxxC)  |
| Chip Size:          | 1206   |
| Description:        | SMD, MLCC, High Voltage, Temperature Stable                              |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| Failure Rate:       | N/A  |
| Miscellaneous:      | Note: Referee time for X7R dielectric for this part number is 1000 hours |

| Specifications           |                     |
|--------------------------|---------------------|
| Capacitance:             | 1000 pF             |
| Capacitance Tolerance:   | 10%                 |
| Voltage DC:              | 2000 VDC            |
| Temperature Range:       | -55/+125C           |
| Temperature Coefficient: | X7R                 |
| Dissipation Factor:      | 2.5%                |
| Aging Rate:              | 3% Loss/Decade Hour |
| Dielectric Strength:     | 2,400 V             |

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.



© 2006 - 2016 IntelliData.net