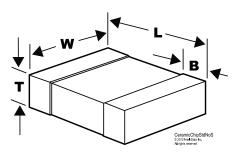
## **KEMET Part Number: C1206X682KDRACTU**

(C1206X682KDRAC7800)



Capacitor, Ceramic, SMD, MLCC, FT-CAP, Temp Stable, 6800 pF, +/-10% Tol, 1000 V, X7R, 1206 (3216 metric)



| General Information      |                                   |  |
|--------------------------|-----------------------------------|--|
| Supplier:                | KEMET                             |  |
| Application:             | Standard Chip                     |  |
| Chip Size:               | 1206 (3216 metric)                |  |
| Temperature Coefficient: | X7R                               |  |
| Part Type Description:   | SMD, MLCC, FT-CAP, Temp<br>Stable |  |
| Termination Type:        | Flexible Termination              |  |
| Marked:                  | No                                |  |
| RoHS:                    | Yes                               |  |

| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 3.3       | +/-0.4    |
| W               | 1.6       | +/-0.35   |
| T               | 1.2       | +/-0.15   |
| В               | 0.6       | +/-0.25   |

| Packaging Specifications |              |  |
|--------------------------|--------------|--|
| Package Kind:            | T&R          |  |
| Package Size:            | 7 in/180 mm  |  |
| Package Type:            | Plastic Tape |  |
| Package Quantity:        | 2500         |  |

| Specifications         |  |  |
|------------------------|--|--|
| Capacitance:           | 6800 pF  |  |
| 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: | 100 GOhm   |  |
| Dielectric Strength:   | 1200 V   |  |
| Miscellaneous:         | Note: Referee time for X7R dielectric for this part number is 1000 hours |  |

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