## **KEMET Part Number: C1206J105K4RACAUTO**



SMD Auto X7R FO, Ceramic, Open Mode, 1 uF, 10%, 16 VDC, X7R, SMD, MLCC, Open Mode, Automotive Grade, 1206



| Dimensions |                 |
|------------|-----------------|
| L          | 3.3mm +/-0.4mm  |
| W          | 1.6mm +/-0.35mm |
| Т          | 1.6mm +/-0.25mm |
| В          | 0.6mm +/-0.25mm |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging:               | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity:      | 2000                     |  |

| General Information          |   |
|------------------------------|---|
| Supplier:                    | KEMET   |
| Series:                      | SMD Auto X7R FO   |
| Style:                       | SMD Chip  |
| Description:                 | SMD, MLCC, Open Mode,<br>Automotive Grade                                     |
| Features:                    | Open Mode, Automotive Grade   |
| RoHS:                        | Yes   |
| Termination:                 | Flexible Termination  |
| Marking:                     | No  |
|                              |   |
| Qualifications:              | AEC-Q200  |
| Qualifications:<br>AEC-Q200: | AEC-Q200<br>Yes   |
| •                            |   |
| AEC-Q200:                    | Yes Note: Referee time for X7R dielectric for this part number is             |
| AEC-Q200: Miscellaneous:     | Yes  Note: Referee time for X7R dielectric for this part number is 1000 hours |

| Specifications                      |                     |
|-------------------------------------|---------------------|
| Capacitance:                        | 1 uF                |
| Capacitance Tolerance:              | 10%                 |
| Voltage DC:                         | 16 VDC              |
| Dielectric Withstanding<br>Voltage: | 40 V                |
| Temperature Range:                  | -55/+125C           |
| Temperature Coefficient:            | X7R                 |
| Dissipation Factor:                 | 3.50% 1kHz 25C      |
| Aging Rate:                         | 3% Loss/Decade Hour |
| Insulation Resistance:              | 500 MOhms           |

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