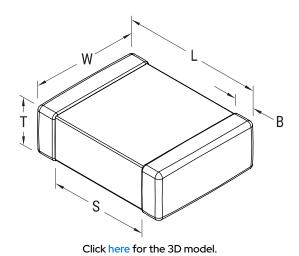


## C0805X120MCRAC3316

SMD Auto X7R HV VW80808, Ceramic, 12 pF, 20%, 500 VDC, X7R, SMD, MLCC, Automotive Grade, 0805, 0.75 mm



| General Information      |                                     |
|--------------------------|-------------------------------------|
| Series                   | SMD Auto X7R HV VW80808             |
| Style                    | SMD Chip                            |
| Description              | SMD, MLCC, Automotive Grade         |
| Features                 | VW 80808 Specification<br>Compliant |
| RoHS                     | Yes                                 |
| Termination              | Flexible Termination                |
| Failure Rate             | N/A                                 |
| Qualifications           | AEC-Q200                            |
| AEC-Q200                 | Yes                                 |
| Typical Component Weight | 21 mg                               |
| Shelf Life               | 152 Weeks                           |

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0805             |
| L          | 2mm +/-0.3mm     |
| W          | 1.25mm +/-0.3mm  |
| т          | 1.25mm +/-0.15mm |
| S          | 0.75mm MIN       |
| В          | 0.5mm +/-0.25mm  |
|            |                  |

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

| Specifications   |                   |
|--|-------------------|
| opecifications   |                   |
| Capacitance  | 12 pF             |
| Tolerance  | 20%               |
| Voltage DC   | 500 VDC           |
| Dielectric Withstanding Voltage  | 750 VDC           |
| Temperature Range  | -55/+125°C        |
| Temp. Coefficient  | X7R               |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 15%, 1kHz 1.0Vrms |
| Dissipation Factor   | 2.5%1kHz1.0Vrms   |
| Insulation Resistance  | 100 GOhms         |

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