

**KEMET Part Number: C052G330G2G5CP**  
(CCR05CG330GP)

LDD Mil C0G PRF20, Ceramic, Military/High Reliability, 33 pF, 2%, 200 VDC, C0G, P (0.1%/1000 Hrs), Lead Spacing = 5.08mm



**Dimensions**

|    |                        |
|----|------------------------|
| L  | 4.83mm +/-0.25mm       |
| H  | 4.83mm +/-0.25mm       |
| T  | 2.29mm +/-0.25mm       |
| S  | 5.08mm +/-0.38mm       |
| LL | 31.75mm MIN            |
| F  | 0.64mm +0.102/-0.051mm |
| G  | 1.14mm MAX             |

**Packaging Specifications**

|                            |           |
|----------------------------|-----------|
| <b>Packaging:</b>          | Bulk, Bag |
| <b>Packaging Quantity:</b> | 100       |

**General Information**

|                                 |  |
|---------------------------------|--|
| <b>Supplier:</b>                | KEMET  |
| <b>Series:</b>                  | LDD Mil C0G PRF20  |
| <b>Style:</b>                   | Radial   |
| <b>RoHS:</b>                    | No   |
| <b>Prop 65:</b>                 | <b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> .    |
| <b>REACH:</b>                   | SVHC (Pb - CAS 7439-92-1)  |
| <b>Termination:</b>             | Lead (SnPb)  |
| <b>Failure Rate:</b>            | P (0.1%/1000 Hrs)  |
| <b>Testing and Reliability:</b> | MIL-PRF-20   |
| <b>Qualifications:</b>          | MIL-PRF-20   |
| <b>Notes:</b>                   | Lead Length Shown Is For Parts Supplied In Bulk, See Packaging Specifications For Lead Lengths When Not Provided In Bulk |

**Specifications**

|   |           |
|---|-----------|
| <b>Capacitance:</b>                     | 33 pF     |
| <b>Capacitance Tolerance:</b>           | 2%        |
| <b>Voltage DC:</b>                      | 200 VDC   |
| <b>Dielectric Withstanding Voltage:</b> | 500 V     |
| <b>Temperature Range:</b>               | -55/+125C |
| <b>Temperature Coefficient:</b>         | C0G       |
| <b>Dissipation Factor:</b>              | 0.15%     |
| <b>Insulation Resistance:</b>           | 100 GOhms |