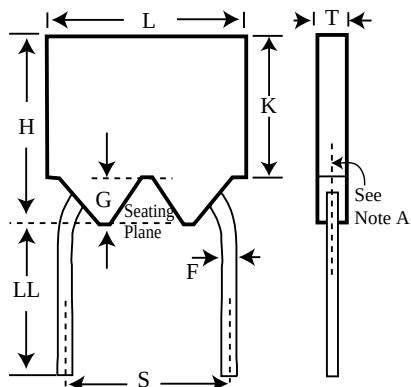


**KEMET Part Number: C056G302F5G5CR**  
(CCR05CG302FRV)

LDD Mil C0G PRF20, Ceramic, Military/High Reliability, 3000 pF, 1%, 50 VDC, C0G, R (0.01%/1000 Hrs), Lead Spacing = 5.08mm



**Dimensions**

|           |                        |
|-----------|------------------------|
| <b>L</b>  | 4.83mm +/-0.25mm       |
| <b>H</b>  | 4.83mm +/-0.25mm       |
| <b>T</b>  | 2.29mm +/-0.25mm       |
| <b>S</b>  | 5.08mm +/-0.38mm       |
| <b>LL</b> | 31.75mm MIN            |
| <b>F</b>  | 0.64mm +0.102/-0.051mm |
| <b>G</b>  | 0.66mm MIN             |

**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>            | R (0.01%/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>                     | 3000 pF   |
| <b>Capacitance Tolerance:</b>           | 1%        |
| <b>Voltage DC:</b>                      | 50 VDC    |
| <b>Dielectric Withstanding Voltage:</b> | 125 V     |
| <b>Temperature Range:</b>               | -55/+125C |
| <b>Temperature Coefficient:</b>         | C0G       |
| <b>Dissipation Factor:</b>              | 0.15%     |
| <b>Insulation Resistance:</b>           | 100 GOhms |