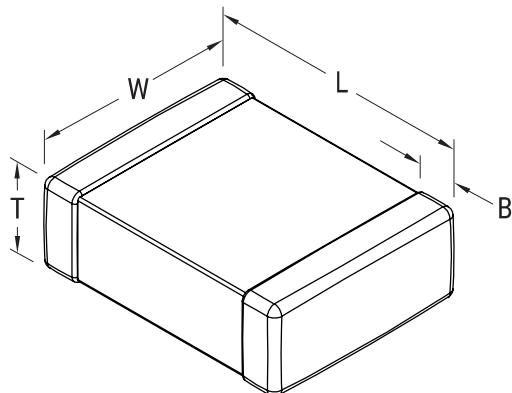


**KEMET Part Number: CDR31BP300BKZS-T&R**  
(C0805N300K1GSL7189)

SMD Mil PRF55681, Ceramic, Military/High Reliability, 30 pF, 10%, 100 VDC, BP, S (0.001%/1000 Hrs), 0805



**Dimensions**

|          |                                           |
|----------|-------------------------------------------|
| <b>L</b> | 2mm +/-0.2mm (0.079 in +/-0.008 in)       |
| <b>W</b> | 1.25mm +/-0.2mm<br>(0.049 in +/-0.008 in) |
| <b>T</b> | 1.3mm (0.051 in)                          |
| <b>B</b> | 0.5mm +/-0.2mm (0.02 in +/-0.008 in)      |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 178mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 2500                     |

**General Information**

|                                 |                                                                                                                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Supplier:</b>                | KEMET                                                                                                                                                                                                   |
| <b>Series:</b>                  | SMD Mil PRF55681                                                                                                                                                                                        |
| <b>Style:</b>                   | SMD Chip                                                                                                                                                                                                |
| <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>            | S (0.001%/1000 Hrs)                                                                                                                                                                                     |
| <b>Testing and Reliability:</b> | MIL-PRF-55681                                                                                                                                                                                           |
| <b>Qualifications:</b>          | MIL-PRF-55681                                                                                                                                                                                           |
| <b>Miscellaneous:</b>           | Termination Description: SolderPlate 70-30                                                                                                                                                              |
| <b>Chip Size:</b>               | 0805                                                                                                                                                                                                    |

**Specifications**

|                                 |           |
|---------------------------------|-----------|
| <b>Capacitance:</b>             | 30 pF     |
| <b>Capacitance Tolerance:</b>   | 10%       |
| <b>Voltage DC:</b>              | 100 VDC   |
| <b>Temperature Range:</b>       | -55/+125C |
| <b>Temperature Coefficient:</b> | BP        |