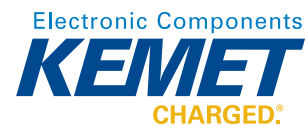
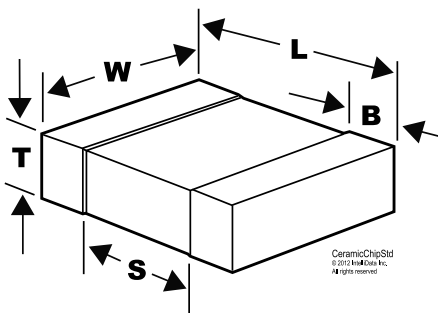


**KEMET Part Number: C0603C689D5GACTU**  
(C0603C689D5GAC7867)



SMD Comm C0G, Ceramic, 6.8 pF, +/-0.5 pF, 50 V, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0603



CeramicChipSld  
© 2011 Intel Corporation  
All rights reserved

#### Dimensions

|          |                  |
|----------|------------------|
| <b>L</b> | 1.6mm +/-0.15mm  |
| <b>W</b> | 0.8mm +/-0.15mm  |
| <b>T</b> | 0.8mm +/-0.07mm  |
| <b>S</b> | 0.7mm MIN        |
| <b>B</b> | 0.35mm +/-0.15mm |

#### Packaging Specifications

|                            |                        |
|----------------------------|------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Paper Tape |
| <b>Packaging Quantity:</b> | 4000                   |

#### General Information

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| <b>Supplier:</b>      | KEMET                                                   |
| <b>Series:</b>        | SMD Comm C0G                                            |
| <b>Style:</b>         | SMD Chip                                                |
| <b>Description:</b>   | SMD, MLCC, Ultra-Stable, Low Loss, Class I              |
| <b>Features:</b>      | Ultra-Stable, Low Loss, Class I                         |
| <b>RoHS:</b>          | Yes                                                     |
| <b>Termination:</b>   | Tin                                                     |
| <b>Marking:</b>       | No                                                      |
| <b>Failure Rate:</b>  | N/A                                                     |
| <b>Miscellaneous:</b> | Note: KEMET 50V rated parts may be operated at 63 Volts |
| <b>Chip Size:</b>     | 0603                                                    |

#### Specifications

|                                         |                     |
|-----------------------------------------|---------------------|
| <b>Capacitance:</b>                     | 6.8 pF              |
| <b>Capacitance Tolerance:</b>           | +/-0.5 pF           |
| <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>              | 0.1% 1MHz 25C       |
| <b>Aging Rate:</b>                      | 0% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 100 GOhms           |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.



© 2006 - 2017 IntelliData.net