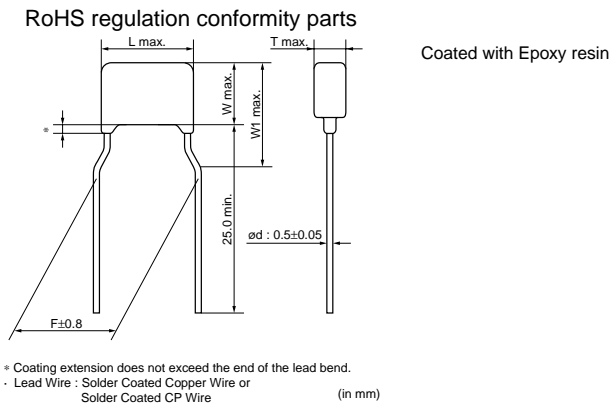


Data Sheet

Radial Lead Type Monolithic Ceramic Capacitors RH Series 150°C max. (for Automotive) (DC50V-DC100V)

RHEL81H682K1K1A03B (X8L, 6800pF, DC50V)



■ Dimensions

| | |
|-----------------|--------------|
| Length L | 4.0mm max. |
| Width W | 3.5mm max. |
| Thickness T | 2.5mm max. |
| Lead Spacing F | 5.0mm ±0.8mm |
| Lead Diameter d | 0.5mm±0.05mm |
| Size W1 | 5.0mm max. |

■ Lead Style

| Code | Lead Style |
|------|--------------|
| K1 | Inside Crimp |

■ Packaging

| Code | Packaging | Minimum Quantity |
|------|-----------|------------------|
| B | Bulk | 500 |

■ Rated Value

| | Murata PN Code | Spec |
|-------------------|----------------|---------------|
| Temperature Char. | L8 | X8L, +15/-40% |
| Capacitance | 682 | 6800pF |
| Capacitance Tol. | K | ±10% |
| Rated Voltage | 1H | DC50V |

■ Specifications

Please refer to 'RH Series 150°C max. (for Automotive) Specifications and Test Methods' PDF file.

- This data sheet is applied for RADIAL LEAD TYPE MONOLITHIC CERAMIC CAPACITOR used for Automotive (For Power-train, safety equipments) in accordance with AEC-Q200 requirements for your design.

<Notice>

- Bonding, resin molding and coating
In case of bonding, molding or coating this product, verify that these processes do not affect the quality of capacitor by testing the performance of the bonded, molded or coated product in the intended equipment. The variation in thickness of adhesive or molding resin or coating may cause an outer coating resin cracking and/or ceramic element cracking of a capacitor in a temperature cycling.
- Please refer to 'Caution' and 'Notice' for the other details.

- The RoHS compliance means that we judge from EU Directive 2002/95/EC the products do not contain lead, cadmium, mercury, hexavalent chromium, PBB and PBDE, except exemptions stated in EU Directive 2002/95/EC annex and impurities existing in natural world.
- This statement does not insure the compliance of any of the listed parts with any laws or legal imperatives developed by any EU members individually with regards to the RoHS Directive.

⚠ Note:

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.