

Vishay 715C Series High Voltage Capacitors

TRANSPORTATION AND STORAGE

- Store and transport capacitors in controlled environments with temperature between -30 °C to +85 °C and relative humidity below 75 %
- Protect from exposure to corrosive gases and chemical substances, particularly H₂SO₄, HCl, and HNO₃
- Avoid mechanical shock, vibration, or impact damage during handling and transportation
- Keep capacitors in original packaging until installation to prevent terminal damage
- Stack packages according to specified guidelines to prevent deformation

INSTALLATION GUIDELINES

- CRITICAL WARNING: never use screws with greater insertion depth than specified this may cause internal damage and catastrophic failure
- Apply proper torque during installation
- Ensure mounting surface is clean, flat, and free from conductive debris
- Use appropriate tools for installation to prevent terminal damage

OPERATION PRECAUTIONS

- Never handle terminals with bare hands; use appropriate insulated tools
- · Do not modify, rework, or solder terminal connections
- · Prevent exposure to conductive liquids including human perspiration
- Take precautions to prevent the products from coming into contact with any radiant heat emitted by chambers or transformers
- Do not exceed maximum operating voltage and current ratings

GENERAL RECOMMENDATIONS

- Surroundings: the parts are suitable for use in air or insulating oil. Any other medium must be tested and validated by the customer to ensure suitability
- Overmolding: overmolding can lead to electrical failures; therefore, any overmolded application must be tested and validated by the customer. Vishay will not take up responsibility in case of failures induced by overmolding. For further questions, please contact powcap@vishay.com
- Maintain operating temperature range of -30 °C to +85 °C
- Avoid use in environments with condensation or high pollution

RECOMMENDATION FOR MAINTENANCE AND INSPECTION

- Conduct regular visual inspections for:
 - Physical damage to case or terminals
 - Signs of overheating or discoloration
 - Terminal corrosion or contamination
 - Loose mounting hardware
- · Keep terminals clean and free from sulphur sources
- Never attempt to repair or modify damaged capacitors
- Immediately replace capacitors showing any signs of:
 - Bulging or deformation
 - Leakage or damage to case
 - Electrical malfunction
 - Terminal damage or discoloration

WARNING: failure to follow these guidelines may result in catastrophic failure, property damage, or serious personal injury. High voltage capacitors contain stored energy that can be lethal. For technical support or additional information, please contact Vishay's technical service department.

DANGER: discharge capacitors completely before handling. Verify voltage is zero using appropriate measurement equipment.

Revision: 12-Feb-2025 Document Number: 22272 1 For technical questions, contact: powcap@vishay.com THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE PRODUCTS DESCRIBED HEREIN AND THIS DOCUMENT ARE SUBJECT TO SPECIFIC DISCLAIMERS, SET FORTH AT www.vishav.com/doc?91000