

## Guideline of notabilia for the usage of plastic film capacitors

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※Plastic film capacitors use organic films for their dielectrics, thus the capacitors may fume or flame, depending on the circuit conditions they are in, when they are damaged by applying overvoltage or overcurrent.

### **Circuit Design**

- (1) Please use capacitors within the range of their characteristic ratings, only after confirming their operating and mounting environments.
- (2) In case of selecting a capacitor, please select the most suitable one which fits to your operating conditions.
- (3) Capacitors used for Across-The-Line, Line-By-Pass and Antenna-Coupling to suppress noises in an equipment, the capacitors need to be approved by overseas Safety Standards or 'Electric Appliance and Material Control' by Ministry of international Trade and Industry.
- (4) Do not conduct a rapid charge and discharge to a capacitor which may lead to characteristics degradations or breakdown of the capacitor.
- (5) An applying voltage to a capacitor, including the peak of surge and ripple voltage (D.C. voltage + A.C. Peak), cannot be exceeded the rating voltage.
- (6) Do not apply a current over its permissible level. Also, make sure to check the surrounding temperature and inherent temperature rise of a capacitor since a permissible current can be restricted by those factors.
- (7) Please contact Taitsu for further details, if mechanical resonance (hum) occurs to a capacitor.

### **Mounting**

- (1) Do not apply any exceeding tension or torsion to lead wires of a capacitor, during the mounting process.
- (2) Please mount a capacitor where it does not contact any other heating parts, high voltage parts and other parts.
- (3) Please conduct soldering process by strictly following the specified conditions.
- (4) For the cleaning after the soldering, please use alcoholic solvents and perform it quickly.

### **Case of an emergency**

- (1) If a fuming, a flaming or an usual smell occurs from an equipment during its usage, please cut off the power supply by switching it off, pulling the plug out or other methods.

### **Storing and handling**

- (1) A storage needs to be kept indoors at -10~40°C and relative humidity of under 75% without any sudden temperature changes, direct sun-lights and corrosive gas around.
- (2) Do not apply any exceeding vibration, shock (dropping) and pressure.

### **Rejection**

- (1) In case of rejecting capacitors, please seek for professionals who deal with the industrial wastes treatments.

### **Miscellaneous**

- (1) Please acknowledge that the specifications, materials and other contents in the catalogue are subject to change without notice. And also, the data which appear in the catalogue are typical ones and do not guarantee the performance of capacitors.
- (2) The capacitors which are obtained as samples should not be used in your marketing products.
- (3) For further details of the Guideline of notabilia for the usage of plastic film capacitors, please refer to EIAJ RCR-2350B or contact Taitsu.