

JEITA

Technical Report of Japan Electronics and Information Technology Industries Association

JEITA RCR - 2370B

**Safety Application Guide
for fixed electric double layer capacitors**

Established in March, 1995

Revised in March, 2002

Revised in March, 2006

Prepared by

Technical Standardization Committee on Passive Components

Published by

Japan Electronics and Information Technology Industries Association

11, Kanda-Surugadai 3-chome, Chiyoda-ku, Tokyo 101-0062, Japan

Printed in Japan

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Preface

This guideline was prepared based on **EIAJ RCR-1001**, “The Guideline for the Safe Use of Electronic Components” developed by the Electrolytic Capacitor Group of the Technical Standardization Committee on Passive Component of the Japan Electronics and Information Technology Industries Association (**JEITA**). This document is prepared as the revision of **EIAJ RCR-2370**, published in 1995, “Guideline of notabilia for fixed electric double layer capacitor for use in electronic equipment”. This revised document describes key issues based on the information kindly supplied by component manufacturers in Japan to be observed in application of electric double layer capacitor. It is recommended that this document should be used together with **EIAJ RCR-1001** describing the basic consideration on safe use of electronic components.

1. Scope

This guideline is applied to the capacitor using the electric double layer generated in the interface of activated carbon and a battery electrolyte, and, in addition to performing the safety reservation in the time of the apparatus design by an electronic maker and amounting process, and apparatus use etc., is indicated for the purpose of utilizing as creation of the matter about the safety of the delivery specifications in a part maker, and a part maker's technical know-how.

Moreover, this guideline is aimed at the electric double layer capacitor used for the direct-current electric circuits the object for electric devices, and for automobile and etc.

This guideline only provides the information of approaches to the safety of electronic parts, better ways and recommended points on the use of electronic parts for the purpose of improving safety of the electronic equipment. This guideline, therefore, shall not assure the product safety of applied electronic parts and electronic equipment even when applications comply fully with this guideline.

2. Related documents

The references listed below are normative references and must be referred to their contents as complementary information to this document. The latest issues of the documents should be referred to the documents whose publication dates are not specified.

EIAJ RC-2377 : Test method of electric double layer capacitors

EIAJ RC-2379 : Electric double layer capacitors for power application - Detail specification (Guide)

EIAJ RCR-1001 : Basic consideration on safe use of electronic components