

JEITA

Technical Report of Japan Electronics and Information Technology Industries Association

EIAJ RCR - 2121A

**Guideline of notabilia for fixed resistors
for use in electronic equipment
(Safety Application Guide for fixed resistors
for use in electronic equipment)**

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Safety Application Guide for fixed resistors for use in electronic equipment

INTRODUCTION

This guideline "Safety Application Guide for fixed resistors for use in electronic equipment" is published by **JEITA** Fixed Resistors Working Group of Technical Standardization Committee on Passive Components, Standardization Center based on **EIAJ RCR-1001** (Safety Application Guide for Electronic parts) in order to aim at improvement in the safety in electronic products.

This guideline revises **EIAJ RCR-2121** (Guideline of notabilia for fixed resistors for use in electronic equipment) published in 1995 as **EIAJ RCR-2121A**.

Also these specs were drafted based on input from both component manufactures and electronic equipment manufactures.

Since the fundamental contents over the safety of electronic components are stated in **EIAJ RCR-1001**, the combined use with this guideline is recommended.

1. General

1.1 Scope

This guideline is applied to fixed resistors for use in electronic equipment, and specified about the guideline to use this fixed resistors safe.

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

1.2 Object

The purpose of this guideline is to become reference in case of safety ensuring by the equipment design, the mounting process in the equipment manufactures and creating the products specifications in the component manufactures.

1.3 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EIAJ RCR-1001	Safety Application Guide for Electronic parts
EIAJ RC-2125A	Fixed metal film fusing resistors, insulated type - Form 14 Stability class 5% - Assessment level E
EIAJ RC-2129	Fixed surface mount resistor networks (Isolated terminals)
EIAJ RC-2130	Fixed surface mount resistor networks (Common terminals)
EIAJ RC-2133B	Fixed resistors for use in electronic equipment Detail specification: Fixed metal film chip resistors rectangular type - Form 73 Stability class 1% - Assessment level E
EIAJ RC-2134B	Fixed resistors for use in electronic equipment - Detail specification: Fixed thick film chip resistors rectangular type - Form 73 Stability class 5% - Assessment level E
EIAJ RC-2136	Fixed resistors for use in electronic equipment - Detail specification: Fixed carbon film resistors - Form 14 Stability class 5% - Assessment level E