

DESCRIPTION

PRODUCT COVERED:

* Component - Lithium Battery Powered Integrated Circuits with Lithium battery, Models M48Z34W, M48Z128W, M48Z129W, M48T128W, M48T129W, M48T512W, M48T513W, M48Z512AW, M48Z30W, M48T248W, M48T251W and M48Z2M1W, where W is blank, W, Y or V may be followed by additional alphanumeric characters which are not part of the model number.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

The M48Z128, M48Z128Y, M48Z30 and M48Z30Y packages are specialized nonvolatile static RAM integrated circuits that utilize a 3V battery for memory backup. They are packaged in a 32 pin, 600 mil plastic module (M48Z128) or a 28 pin 600 mil plastic module (M48Z30). The integrated circuit based battery reverse charge prevention package is intended to protect the lithium battery from reverse charging conditions. The "components" relied upon for reverse charging prevention (isolation between Vcc and BAT inputs) are packaged on a Recognized Component integrated circuit. The IC package contains a controller, SRAM package (128KX8) for M48Z128 and (32KX8) for M48Z30 lithium battery, mounted on a circuit board with lead frame, and encapsulant and other components.

Type M48Z512A packages are specialized nonvolatile static ram integrated circuits that utilize two 3 V batteries for memory backup. The battery control circuit is designed such that only one battery at a time is connected to the circuit. They can be packaged as follows: (1) 32 pin, 600 mil plastic module (M48Z512A). The integrated circuit based battery reverse charge prevention package is intended to protect the lithium battery from reverse charging conditions. The "components" relied upon for reverse charging prevention (isolation between VCC and BAT inputs) are packaged on a Recognized Component integrated circuit. The IC package may contain controllers lithium battery, or crystals mounted on a circuit board with lead frame, encapsulant and other components. These IC's have been evaluated to the Standard for Information Technology Equipment, Including Electrical Business Equipment, UL 1950, First Edition, dated December 17, 1991.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions Of Acceptability - Consideration should be given to the following when determining the acceptability of these devices in specific applications.

1. These devices are normally intended for use as components where replacement is done by a trained technician.
2. These devices are intended for use as components in low voltage isolated secondary circuits (LVISC) where the case temperature does not exceed 100°C and the voltage on any pin relative to ground is a maximum of 7 V dc.
3. These devices are considered to meet the requirements for 94V-0 minimum flammable material.
- * 4. These devices are provided with the applicable reverse charging current protection circuit on the chips.
5. These devices may be used as part of a consumer replacement kit provided the marking and packaging requirements of Subject 1642 Bulletin, dated March 20, 1984 are followed.
6. Consideration should be given to sub-clause 1.7.17.