

DESCRIPTION

PRODUCT COVERED:

Component - Integrated Circuits with Lithium Battery Reverse Charging Protection and intended for use with Replaceable Lithium Battery Pack below, Models M48T86W, M48T08W, M48T18W, M48T35W, M48T37W, M48T58W, M48T59W, M48T101W, M48T559W, M48Z18W, M48Z35W, M48Z58W, M48Z59W, M48Z58AW, M48T35AW, M48Z35AW, M41T56W, M41T00W, M41T11W, M48ST58W, M48SZ58W, M40Z111W, M48T201W, M40Z300W, M40Z312W, M40Z200W, M40Z400W, M48T212W, M48T212AW, M41ST84W, M41T94W, M41T256W, M41T315W, M40SZ100W, M48ST59W, and M41ST85W where W is blank, W, Y or V may be followed by additional alphanumeric characters which are not part of the model number.

Component - Replaceable Lithium Battery Pack Models M4T28-*xxyy*SHz, M4T32-*xxyy*SHz, M4Z28-*xxyy*SHz, M4Z32-*xxyy*SHz, M4Z38-BR00DB9, M48TL28-*xxyy*LPz where *xx* is either BR or CR, *yy* is 00, 06 or 12 and *z* is any number 0-9.

Component - Modules Model M440T2M1, M440T512W, M440T513W M48T254W.

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

These products were investigated under the Standard for Information Technology Equipment Including Electrical Business Equipment, UL 1950, Second Edition, dated February 26, 1993.

Use - For use only in or with complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

The Intergrated chips above provide reverse charge current protection for the replaceable lithium battery packs which snap-fit onto the chips.

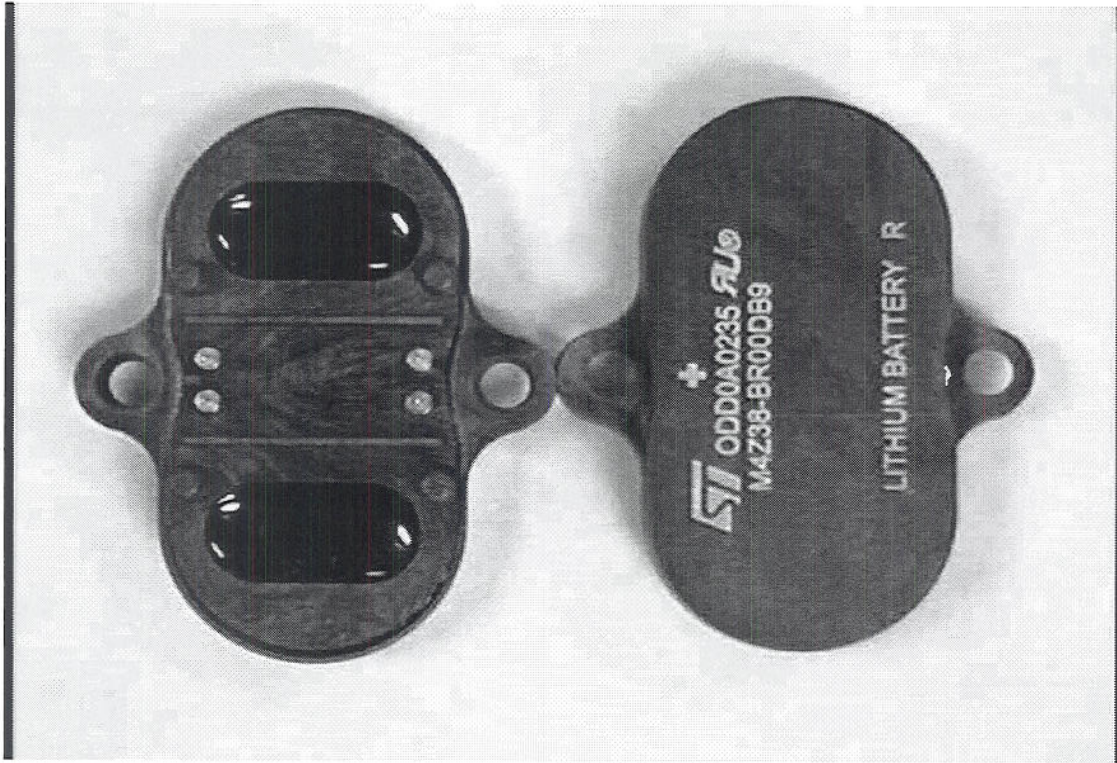
MODEL M4Z38-BR00DB9 - FIG. 7

General - Fig. 7 shows overall view of the subject unit.

1. Chip Case - (QMFZ2) rated minimum V-0. Provided with four metal sockets, and a female key slot cut into the right end as shown.
2. Battery Pack Housing - (QMFZ2) rated minimum V-2. Provided with male key slot, located on right end of housing and four clips to as shown to connect to the chip.

Alternate - Same as above except (QMFZ3) rated V-0, See E89556SP Vol. 1.
Alternate - (QMFZ2) rated V-0, manufactured by GE Plastics, Type Valox, 420-SE0, minimum thickness 0.64 mm, yellow color (Refer to Test Record 5). Provided with male key slot, located on right end of housing and four clips to as shown to connect to the chip.

3. Encapsulant - (QMFZ2) rated minimum V-0.
4. Lithium Batteries - (BBCV2) Ray-O-Vac Model BR1225 or Matsushita Model CR1220 or Panasonic Model BR1632, BR1632A, BR1225, two provided, connected in parallel.
5. Pins - Four provided on battery pack housing.



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