

# Errata for FM24V02 & FM24VN02

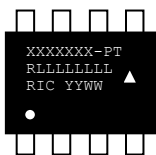
## RAMTRON

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**Errata Number** 001  
**Date** January 12, 2011 (Updated July 2011)  
**Product** FM24V02 and FM24VN02

The FM24V02 and FM24VN02 devices have a problem with the sleep mode function. Some devices will not exit sleep at V<sub>DD</sub> voltages within the specified operating range. Worst case is at high V<sub>DD</sub> (3.6V). The failing voltage will be lower at cold temperatures. This does not affect operation if the sleep function is not used.

There is an effective screen that is implemented at final test. A temporary part number has been assigned for customers who use sleep mode. Customers who require sleep mode should order the FM24V02-G1 or FM24VN02-G1. The part will be marked with a triangle to the right of the part mark. An example of the mark is as follows:



No Sleep Mode Screen  
FM24V02-G  
A9646447  
RIC1011

Sleep Mode Screen  
FM24V02-G  
A9646447   
RIC1011

This errata will remain in effect until the sleep function is fixed.

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**UPDATE:** Ramtron has made circuit modifications to correct this problem. The starting date code for the fixed devices is 1127. (YY=11, WW=27) Devices with a date code 1127 and later have a fully operational sleep mode function.

An example of the new part marking is as follows:

