



**Linear Integrated Systems**

# LS823-LS824 Series Ordering and Part Marking Information

6/12/09

SUBJECT: LS823-LS824 Series Ordering and Part Marking Information

The LS823-LS824 Series N-Channel Lateral DMOS JFET Switch are offered in a TO-72, 4 lead package and includes the following part numbers: **LS823, LS824**

The LS823-LS824 Series N-Channel Lateral DMOS JFET are offered in a SOT23, 3 lead package and includes the following part numbers: **LS823, LS824**

## Ordering Information:

Parts are available with ROHS Compliant/Leadfree package versions as well as package versions that contain lead.

Parts are available tested to the Standard Datasheet limits and conditions, as well and Special limits and conditions provided by the customer. When ordering your part please be aware of the 4 options you have:

- LS823 TO-72 4L ROHS**-----Electrically tested to Standard Datasheet Limits/Conditions, Leadfree/ROHS Compliant package requested.
- LS823 TO-72 4L-ROHS-Select**-----Electrically tested to Special Customer Limits/Conditions, Leadfree/ROHS Compliant package requested.
- LS823 SOT23 3L**-----Electrically tested to Standard Datasheet Limits/Conditions, Lead or Leadfree /ROHS compliant package not specified.
- LS823 SOT23 3L-Select**-----Electrically tested to Special Customer Limits/Conditions, Lead or Leadfree /ROHS Compliant package not specified.
- LS823 SOT23 3L ROHS**-----Electrically tested to Standard Datasheet Limits/Conditions, Leadfree/ROHS Compliant package requested, marked with the letter “F”
- LS823 SOT23 3L -ROHS-Select**----- Electrically tested to Special Customer Limits/Conditions, Leadfree/ROHS Compliant package requested., marked with the letter “F”

## Important Part Marking Information:

In the event you are ordering multiple versions of the LS823-LS824 series it is very important that you **keep both groups of parts separate from each other and do not mix.** Each container/reel/bag of parts are labeled with the complete part number you have ordered. **The parts are NOT marked with the complete**

**part number. The parts are marked with the SAME part number, and can be easily mixed with the wrong part number in the event proper inventory control procedures are not followed at customer level.**

As a result of our manufacturing flow, the entire wafer may contain more than one part number per wafer.

The entire wafer is tested to the all of the LS823-LS824 limits. The wafer is sent out for assembly where the parts are marked prior to test. At test, the parts are separated into the individual part numbers then labeled and placed into inventory. Due to the space restrictions on the number of digits we can print on the two different package types, and our inability to remark the part after test limit our ability mark individual or complete part numbers.

**Device Marking Prior to Date Code 0900:**

Prior to date code 9001, there were different devices marking which may have been used . We now are standardizing our part marking avoid confusion at the customer level. All of the part marking that is listed in this document represents how the devices will be marked in the future. Any different marking represents old/past part marking which has been replace with the part marking as listed below.

LIS Part Number	Package	LIS Part Number	Part Marking
LS823	TO-72 4L	LS823 TO-72 4L RoHS	LS 823
		LS823 TO-72 4L RoHS SELECT	LS 923
LS824	TO-72 4L	LS824 TO-72 4L RoHS	LS 824
		LS824 TO-72 4L RoHS SELECT	LS 924
LS823	SOT-23 3L	LS823 SOT-23 3L	82 or 82F
		LS823 SOT-23 3L SELECT	82 or 82F
		LS823 SOT-23 3L RoHS	82F
		LS823 SOT-23 3L RoHS SELECT	82F
LS824	SOT-23 3L	LS824 SOT-23 3L	82 or 82F
		LS824 SOT-23 3L SELECT	82 or 82F
		LS824 SOT-23 3L RoHS	82F
		LS824 SOT-23 3L RoHS SELECT	82F