



Linear Integrated Systems

# LS4117/LS4118/LS4119 Series Ordering and Part Marking Information

5/20/09

SUBJECT: LS4117 Series Ordering and Part Marking Information

The LS4117 Series Single N-Channel JFET Amplifiers are offered in a TO-92, 3 lead package and includes the following part numbers: **LS4117, LS4118, LS4119**

The LS4117 Series Single N-Channel JFET Amplifiers are offered in a TO-72, 4 lead package and includes the following part numbers: **LS4117, LS4118, LS4119**

The LS4117 Series Single N-Channel JFET Amplifiers are offered in a SOT23, 3 lead package and includes the following part numbers: **SST4117, SST4118, SST4119**

### 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:

- LS4117 TO-92 3L**-----Electrically tested to Standard Datasheet Limits/Conditions, Lead or Leadfree/ROHS Compliant package not specified.
- LS4117 TO-92 3L-Select**-----Electrically tested to Special Customer Limits/Conditions, Lead or Leadfree/ROHS Compliant package not specified.
- LS4117 TO-92 3L ROHS**-----Electrically tested to Standard Datasheet Limits/Conditions, Leadfree /ROHS Compliant package requested, marked with the letter "F"
- LS4117 TO-92 3L-ROHS-Select**-----Electrically tested to Special Customer Limits/Conditions, Leadfree/ROHS Compliant package requested, marked with the letter "F"
- LS4117 TO-72 4L ROHS**-----Electrically tested to Standard Datasheet Limits/Conditions, Leadfree/ROHS Compliant package requested, marked with the letter "F"
- LS4117 TO-72 4L-ROHS-Select**-----Electrically tested to Special Customer Limits/Conditions, Leadfree/ROHS Compliant package requested, marked with the letter "F"
- SST4117 SOT23 3L**-----Electrically tested to Standard Datasheet Limits/Conditions, Lead or Leadfree/ROHS compliant package not specified.

- SST4117 SOT23 3L-Select**-----Electrically tested to Special Customer Limits/Conditions, Lead or Leadfree/ROHS Compliant package not specified.
- SST4117 SOT23 3L ROHS**-----Electrically tested to Standard Datasheet Limits/Conditions, Leadfree/ROHS Compliant package requested, marked with the letter “F”
- SST4117 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 LS4117/SST4117 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 is 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 LS4117/SST4117 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.

Vishay/Siliconix Part Number	Package	LIS Part Number	Part Marking
PN4117A	TO-92 3L	LS4117 TO-92 3L	LS 41 or LS 41F
		LS4117 TO-92 3L SELECT	LS 41 or LS 41F
		LS4117 TO-92 3L RoHS	LS 41F
		LS4117 TO-92 3L RoHS SELECT	LS 41F
PN4118A	TO-92 3L	LS4118 TO-92 3L	LS 41 or LS 41F
		LS4118 TO-92 3L SELECT	LS 41 or LS 41F
		LS4118 TO-92 3L RoHS	LS 41F
		LS4118 TO-92 3L RoHS SELECT	LS 41F
PN4119A	TO-92 3L	LS4119 TO-92 3L	LS 41 or LS 41F
		LS4119 TO-92 3L SELECT	LS 41 or LS 41F
		LS4119 TO-92 3L RoHS	LS 41F
		LS4119 TO-92 3L RoHS SELECT	LS 41F

2N4117A	TO-72 4L	LS4117 TO-72 4L RoHS LS4117 TO-72 4L RoHS SELECT	LS 4117 LS 4117
2N4118A	TO-72 4L	LS4118 TO-72 4L RoHS LS4118 TO-72 4L RoHS SELECT	LS 4118 LS 4118
2N4119A	TO-72 4L	LS4119 TO-72 4L RoHS LS4119 TO-72 4L RoHS SELECT	LS 4119 LS 4119
SST4117A	SOT-23 3L	SST4117 SOT-23 3L SST4117 SOT-23 3L SELECT SST4117 SOT-23 3L RoHS SST4117 SOT-23 3L RoHS SELECT	41 or 41F 41 or 41F 41F 41F
SST4118A	SOT-23 3L	SST4118 SOT-23 3L SST4118 SOT-23 3L SELECT SST4118 SOT-23 3L RoHS SST4118 SOT-23 3L RoHS SELECT	41 or 41F 41 or 41F 41F 41F
SST4119A	SOT-23 3L	SST4119 SOT-23 3L SST4119 SOT-23 3L SELECT SST4119 SOT-23 3L RoHS SST4119 SOT-23 3L RoHS SELECT	41 or 41F 41 or 41F 41F 41F