



Linear Integrated Systems

# IT120-IT122 Series Ordering and Part Marking Information

5/26/09

SUBJECT: IT120-IT122 Series Ordering and Part Marking Information

The IT120-IT122 Series Monolithic Dual NPN Transistors are offered in a TO-71 and TO-78, 6 lead package and includes the following part numbers: **IT120, IT120A, IT121, IT122**

The IT120-IT122 Series Monolithic Dual NPN Transistors are offered in a PDIP, 8 lead package and includes the following part numbers: **IT120, IT120A, IT121, IT122**

The IT120-IT122 Series Monolithic Dual NPN Transistors are offered in a SOIC, 8 lead package and includes the following part numbers: **IT120, IT120A, IT121, IT122**

### 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:

- IT120 TO-71 6L ROHS**-----Electrically tested to Standard Datasheet Limits/Conditions, Leadfree/ROHS Compliant package requested.
- IT120 TO-71 6L-ROHS-Select**---Electrically tested to Special Customer Limits/Conditions, Leadfree/ROHS Compliant package requested.
- IT120 TO-78 6L ROHS**-----Electrically tested to Standard Datasheet Limits/Conditions, Leadfree/ROHS Compliant package requested.
- IT120 TO-78 6L-ROHS-Select**---Electrically tested to Special Customer Limits/Conditions, Leadfree/ROHS Compliant package requested.
- IT120 PDIP 8L**-----Electrically tested to Standard Datasheet Limits/Conditions, Lead or Leadfree /ROHS compliant package not specified.
- IT120 PDIP 8L -Select**-----Electrically tested to Special Customer Limits/Conditions, Lead or Leadfree /ROHS Compliant package not specified.
- IT120 PDIP 8L ROHS**-----Electrically tested to Standard Datasheet Limits/Conditions, Leadfree/ROHS Compliant package requested, marked with the letter "F"
- IT120 PDIP 8L-ROHS-Select**---Electrically tested to Special Customer Limits/Conditions, Leadfree/ROHS Compliant package requested, marked with the letter "F"

- IT120 SOIC 8L**-----Electrically tested to Standard Datasheet Limits/Conditions, Lead or Leadfree /ROHS compliant package not specified.
- IT120 SOIC 8L –Select**-----Electrically tested to Special Customer Limits/Conditions, Lead or Leadfree /ROHS Compliant package not specified.
- IT120 SOIC 8L ROHS**-----Electrically tested to Standard Datasheet Limits/Conditions, Leadfree/ROHS Compliant package requested, marked with the letter “F”
- IT120 SOIC 8L-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 IT120-IT122 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 IT120-IT122 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 0900, 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.

Intersil Part Number	Package	LIS Part Number	Part Marking
IT120	TO-71 6L	IT120 TO-71 6L RoHS	LS IT120
		IT120 TO-71 6L RoHS SELECT	LS IT120
IT120A	TO-71 6L	IT120A TO-71 6L RoHS	LS IT120A
		IT120A TO-71 6L RoHS SELECT	LS IT120A
IT121	TO-71 6L	IT121 TO-71 6L RoHS	LS IT121
		IT121 TO-71 6L RoHS SELECT	LS IT121
IT122	TO-71 6L	IT122 TO-71 6L RoHS	LS IT122
		IT122 TO-71 6L RoHS SELECT	LS IT122
IT120	TO-78 6L	IT120 TO-78 6L RoHS	LS IT120
		IT120 TO-78 6L RoHS SELECT	LS IT120
IT120A	TO-78 6L	IT120A TO-78 6L RoHS	LS IT120A

		IT120A TO-78 6L RoHS SELECT	LS IT120A
IT121	TO-78 6L	IT121 TO-78 6L RoHS IT121 TO-78 6L RoHS SELECT	LS IT121 LS IT121
IT122	TO-78 6L	IT122 TO-78 6L RoHS IT122 TO-71 6L RoHS SELECT	LS IT122 LS IT122
Not offered in this package	PDIP 8L	IT120 PDIP 8L IT120 PDIP 8L SELECT IT120 PDIP 8L RoHS IT120 PDIP 8L RoHS SELECT	LS IT12 or LS IT12F LS IT12 or LS IT12F LS IT12F LS IT12F
Not offered in this package	PDIP 8L	IT120A PDIP 8L IT120A PDIP 8L SELECT IT120A PDIP 8L RoHS IT120A PDIP 8L RoHS SELECT	LS IT12 or LS IT12F LS IT12 or LS IT12F LS IT12F LS IT12F
Not offered in this package	PDIP 8L	IT121 PDIP 8L IT121 PDIP 8L SELECT IT121 PDIP 8L RoHS IT121 PDIP 8L RoHS SELECT	LS IT12 or LS IT12F LS IT12 or LS IT12F LS IT12F LS IT12F
Not offered in this package	PDIP 8L	IT122 PDIP 8L IT122 PDIP 8L SELECT IT122 PDIP 8L RoHS IT122 PDIP 8L RoHS SELECT	LS IT12 or LS IT12F LS IT12 or LS IT12F LS IT12F LS IT12F
Not offered in this package	SOIC 8L	IT120 SOIC 8L IT120 SOIC 8L SELECT IT120 SOIC 8L RoHS IT120 SOIC 8L RoHS SELECT	LS IT12 or LS IT12F LS IT12 or LS IT12F LS IT12F LS IT12F
Not offered in this package	SOIC 8L	IT120A SOIC 8L IT120A SOIC 8L SELECT IT120A SOIC 8L RoHS IT120A SOIC 8L RoHS SELECT	LS IT12 or LS IT12F LS IT12 or LS IT12F LS IT12F LS IT12F
Not offered in this package	SOIC 8L	IT121 SOIC 8L IT121 SOIC 8L SELECT IT121 SOIC 8L RoHS IT121 SOIC 8L RoHS SELECT	LS IT12 or LS IT12F LS IT12 or LS IT12F LS IT12F LS IT12F
Not offered in this package	SOIC 8L	IT122 SOIC 8L IT122 SOIC 8L SELECT IT122 SOIC 8L RoHS IT122 SOIC 8L RoHS SELECT	LS IT12 or LS IT12F LS IT12 or LS IT12F LS IT12F LS IT12F