




Assembly Site		
LEN	Assembly Site Origin (22L)	ASO: LIN
NFME	Assembly Site Origin (22L)	ASO: NFM


Sample product shipping label (not actual product label)



MADE IN: Malaysia  
2DC: 2Q:

MSL 2 / 260C / 1 YEAR	SEAL DT
MSL 1 / 235C / UNLIM	03/29/04

OPT:  
ITEM: 39  
LBL: 5A (L) TO: 1750



(1P) SN74LS07NSR  
(Q) 2000 (D) 0336  
(31T) LOT: 3959047MLA  
(4W) TKY (1T) 7523483SI2  
(P)  
(2P) REV: (V) 0033317  
(20L) CSO: SHE (21L) CCO: USA  
(22L) ASO: MLA (23L) ACO: MYS

ASSEMBLY SITE CODES: LEN = 3, NFME = E

<b>Product Affected:</b>			
SN65LVDS1DBVR	SN65LVDS1YDBVR	SN65LVDS2DBVTG4	SN65LVDT2DBVTG4
SN65LVDS1DBVRG4	SN65LVDS2DBVR	SN65LVDT2DBVR	SN65LVDT2YDBVR
SN65LVDS1DBVT	SN65LVDS2DBVRG4	SN65LVDT2DBVRG4	
SN65LVDS1DBVTG4	SN65LVDS2DBVT	SN65LVDT2DBVT	

### Qualification Data

#### NFME Qualification of the DBV packages using R-13 mold compound and A-03 mount compound

##### Product Attributes

Attributes	Qual Device: INA168NA	Qual Device: OPA244NA
Assembly Site	NFME	NFME
Package Family	-	-
Flammability Rating	UL 94 V-0	UL 94 V-0
Wafer Fab Supplier	HFAB/SFAB	HFAB/SFAB
Wafer Fab Process	634G	635G

- QBS: Qual By Similarity
- Qual Device INA168NA is qualified at LEVEL2-260C
- Qual Device OPA244NA is qualified at LEVEL2-260C

##### Qualification Results

Data Displayed as: Number of lots / Total sample size / Total failed

Type	Test Name / Condition	Duration	Qual Device: INA168NA	Qual Device: OPA244NA
AC	Autoclave 121C	96 Hours	1/77/0	1/77/0
HTOL	Life Test, 125C	1000 Hours	1/77/0	1/77/0
LI	Lead Fatigue	Leads	1/22/0	1/22/0
LI	Lead Pull to Destruction	Leads	1/22/0	1/22/0
MISC	Salt Atmosphere	24 Hours	1/22/0	1/22/0
PD	Physical Dimensions	--	1/5/0	1/5/0
PKG	Lead Finish Adhesion	Leads	1/15/0	1/15/0
SD	Solderability	8 Hours Steam Age	-	1/22/0

Type	Test Name / Condition	Duration	Qual Device: INA168NA	Qual Device: OPA244NA
TC	Temperature Cycle -65/150C	500 Cycles	1/77/0	1/77/0

- Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable

- The following are equivalent HTOL options based on an activation energy of 0.7eV : 125C/1k Hours, 140C/480 Hours, 150C/300 Hours, and 155C/240 Hours

- The following are equivalent HTSL options based on an activation energy of 0.7eV : 150C/1k Hours, and 170C/420 Hours

- The following are equivalent Temp Cycle options per JESD47 : -55C/125C/700 Cycles and -65C/150C/500 Cycles

Quality and Environmental data is available at TI's external Web site: <http://www.ti.com/>

**Green/Pb-free Status:**

Qualified Pb-Free(SMT) and Green

## NFME Qualification of the DBV packages with R-13 mold compound

### Product Attributes

Attributes	Qual Device: OPA365AIDBV	Qual Device: THS4304DBV	Qual Device: THS9001DBV	Qual Device: TPS3809I50DBV
<b>Qual ID</b>	20090808-8742	20090808-8742	20090808-8742	20090808-8742
<b>Assembly Site</b>	NFME	NFME	NFME	NFME
<b>Package Family</b>	SOT	SOT	SOT	SOT
<b>Flammability Rating</b>	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0
<b>Wafer Fab Supplier</b>	DMOS5	FFAB	FFAB	DFAB
<b>Wafer Fab Process</b>	50HPA07	BICOM3	RFSige	LBC3

- QBS: Qual By Similarity

- Qual Device OPA365AIDBV is qualified at LEVEL1-260C

- Qual Device THS4304DBV is qualified at LEVEL1-260C

- Qual Device THS9001DBV is qualified at LEVEL1-260C

- Qual Device TPS3809I50DBV is qualified at LEVEL1-260C

### Qualification Results

Data Displayed as: Number of lots / Total sample size / Total failed

Type	Test Name / Condition	Duration	Qual Device: OPA365AIDBV	Qual Device: THS4304DBV	Qual Device: THS9001DBV	Qual Device: TPS3809I50DBV
AC	Autoclave 121C	96 Hours	1/77/0	1/77/0	1/77/0	-
HTSL	High Temp Storage Bake 170C	420 Hours	1/77/0	1/74/0	1/77/0	-
LI	Lead Fatigue	Leads	1/22/0	1/22/0	1/22/0	1/22/0
LI	Lead Pull to Destruction	Leads	1/22/0	1/22/0	1/22/0	1/22/0
MISC	Salt Atmosphere	24 Hours	1/22/0	1/22/0	1/22/0	1/22/0
PD	Physical Dimensions	--	1/5/0	1/5/0	1/5/0	1/5/0
PKG	Lead Finish Adhesion	Leads	1/15/0	1/15/0	1/15/0	1/15/0
SD	Surface Mount Solderability	Pb Solder	1/22/0	1/22/0	1/22/0	1/22/0
TC	Temperature Cycle, -65/150C	500 Cycles	1/77/0	1/77/0	1/77/0	-
TS	Thermal Shock -65/150C	500 Cycles	1/77/0	1/77/0	1/77/0	-
WBP	Bond Pull	Wires	1/78/0	1/78/0	1/78/0	1/78/0
WBS	Ball Bond Shear	Wires	1/78/0	1/78/0	1/78/0	1/78/0

- Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable

- The following are equivalent HTOL options based on an activation energy of 0.7eV : 125C/1k Hours, 140C/480 Hours, 150C/300 Hours, and 155C/240 Hours

- The following are equivalent HTSL options based on an activation energy of 0.7eV : 150C/1k Hours, and 170C/420 Hours

- The following are equivalent Temp Cycle options per JESD47 : -55C/125C/700 Cycles and -65C/150C/500 Cycles

Quality and Environmental data is available at TI's external Web site: <http://www.ti.com/>

**Green/Pb-free Status:**

Qualified Pb-Free(SMT) and Green

## NFME 5/6 DBV qualification using R-13 Mold Compound

### Product Attributes

Attributes	Qual Device: SN74LVC2G17DBVR	Qual Device: TL431CDBVR
<b>Assembly Site</b>	NFME	NFME
<b>Package Family</b>	SOT	SOT
<b>Flammability Rating</b>	UL 94 V 0	UL 94 V 0
<b>Wafer Fab Supplier</b>	TID	SFAB
<b>Wafer Fab Process</b>	ASL3C	JI BIPOLAR

- QBS: Qual By Similarity

- Qual Device SN74LVC2G17DBVR is qualified at LEVEL1-260CG

- Qual Device TL431CDBVR is qualified at LEVEL1-260CG

### Qualification Results

Data Displayed as: Number of lots / Total sample size / Total failed

Type	Test Name / Condition	Duration	Qual Device: SN74LVC2G17DBVR	Qual Device: TL431CDBVR
AC	Autoclave 121C	96 Hours	3/231/0	3/231/0
FLAM	Flammability (IEC 695-2-2)	--	3/15/0	-
FLAM	Flammability (UL 94V-0)	--	3/15/0	-
FLAM	Flammability (UL-1694)	--	3/15/0	-
TC	Temperature Cycle -65/150C	500 Cycles	3/231/0	3/231/0
TS	Thermal Shock -65/150C	500 Cycles	3/231/0	3/231/0
WBP	Bond Strength	Wires	3/234/0	3/234/0

- Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable

- The following are equivalent HTOL options based on an activation energy of 0.7eV : 125C/1k Hours, 140C/480 Hours, 150C/300 Hours, and 155C/240 Hours

- The following are equivalent HTSL options based on an activation energy of 0.7eV : 150C/1k Hours, and 170C/420 Hours

- The following are equivalent Temp Cycle options per JESD47 : -55C/125C/700 Cycles and -65C/150C/500 Cycles

Quality and Environmental data is available at TI's external Web site: <http://www.ti.com/>

#### **Green/Pb-free Status:**

Qualified Pb-Free(SMT) and Green

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

<b>Location</b>	<b>E-Mail</b>
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
Japan	<a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>