

PACKAGING INFORMATION

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead finish/ Ball material (6)	MSL Peak Temp (3)	Op Temp (°C)	Device Marking (4/5)	Samples
TLV71310PDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUQI	Samples
TLV71310PDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUQI	Samples
TLV71310PDQNR	ACTIVE	X2SON	DQN	4	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	ET	Samples
TLV71310PDQNT	ACTIVE	X2SON	DQN	4	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	ET	Samples
TLV71311PDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUPI	Samples
TLV71311PDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUPI	Samples
TLV71312PDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUEI	Samples
TLV71312PDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUEI	Samples
TLV71312PDQNR	ACTIVE	X2SON	DQN	4	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AF	Samples
TLV71312PDQNT	ACTIVE	X2SON	DQN	4	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AF	Samples
TLV71315PDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUGI	Samples
TLV71315PDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUGI	Samples
TLV71315PDQNR	ACTIVE	X2SON	DQN	4	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AY	Samples
TLV71315PDQNT	ACTIVE	X2SON	DQN	4	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AY	Samples
TLV713185PDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUII	Samples
TLV713185PDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUII	Samples
TLV713185PDQNR	ACTIVE	X2SON	DQN	4	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	A1	Samples
TLV713185PDQNT	ACTIVE	X2SON	DQN	4	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	A1	Samples
TLV71318PDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUDI	Samples
TLV71318PDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUDI	Samples

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TLV71318PDQNR	ACTIVE	X2SON	DQN	4	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AW	Samples
TLV71318PDQNT	ACTIVE	X2SON	DQN	4	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AW	Samples
TLV71320DQNR	ACTIVE	X2SON	DQN	4	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	B2	Samples
TLV71320DQNT	ACTIVE	X2SON	DQN	4	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	B2	Samples
TLV71325PDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUJI	Samples
TLV71325PDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUJI	Samples
TLV71325PDQNR	ACTIVE	X2SON	DQN	4	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AZ	Samples
TLV71325PDQNT	ACTIVE	X2SON	DQN	4	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AZ	Samples
TLV713285PDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VULI	Samples
TLV713285PDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VULI	Samples
TLV713285PDQNR	ACTIVE	X2SON	DQN	4	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	A2	Samples
TLV713285PDQNT	ACTIVE	X2SON	DQN	4	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	A2	Samples
TLV71328PDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUKI	Samples
TLV71328PDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUKI	Samples
TLV71328PDQNR	ACTIVE	X2SON	DQN	4	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AK	Samples
TLV71328PDQNT	ACTIVE	X2SON	DQN	4	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AK	Samples
TLV71330PDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUMI	Samples
TLV71330PDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUMI	Samples
TLV71330PDQNR	ACTIVE	X2SON	DQN	4	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AL	Samples
TLV71330PDQNT	ACTIVE	X2SON	DQN	4	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AL	Samples
TLV71333PDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUFI	Samples

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TLV71333PDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	VUFI	Samples
TLV71333PDQNR	ACTIVE	X2SON	DQN	4	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AH	Samples
TLV71333PDQNT	ACTIVE	X2SON	DQN	4	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	AH	Samples

(1) The marketing status values are defined as follows:

ACTIVE: Product device recommended for new designs.

LIFEBUY: TI has announced that the device will be discontinued, and a lifetime-buy period is in effect.

NRND: Not recommended for new designs. Device is in production to support existing customers, but TI does not recommend using this part in a new design.

PREVIEW: Device has been announced but is not in production. Samples may or may not be available.

OBSELETE: TI has discontinued the production of the device.

(2) **RoHS:** TI defines "RoHS" to mean semiconductor products that are compliant with the current EU RoHS requirements for all 10 RoHS substances, including the requirement that RoHS substance do not exceed 0.1% by weight in homogeneous materials. Where designed to be soldered at high temperatures, "RoHS" products are suitable for use in specified lead-free processes. TI may reference these types of products as "Pb-Free".

RoHS Exempt: TI defines "RoHS Exempt" to mean products that contain lead but are compliant with EU RoHS pursuant to a specific EU RoHS exemption.

Green: TI defines "Green" to mean the content of Chlorine (Cl) and Bromine (Br) based flame retardants meet JS709B low halogen requirements of <=1000ppm threshold. Antimony trioxide based flame retardants must also meet the <=1000ppm threshold requirement.

(3) MSL, Peak Temp. - The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.

(4) There may be additional marking, which relates to the logo, the lot trace code information, or the environmental category on the device.

(5) Multiple Device Markings will be inside parentheses. Only one Device Marking contained in parentheses and separated by a "-" will appear on a device. If a line is indented then it is a continuation of the previous line and the two combined represent the entire Device Marking for that device.

(6) Lead finish/Ball material - Orderable Devices may have multiple material finish options. Finish options are separated by a vertical ruled line. Lead finish/Ball material values may wrap to two lines if the finish value exceeds the maximum column width.

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OTHER QUALIFIED VERSIONS OF TLV713P :

- Automotive: [TLV713P-Q1](#)

NOTE: Qualified Version Definitions:

- Automotive - Q100 devices qualified for high-reliability automotive applications targeting zero defects