

PACKAGING INFORMATION

Orderable part number	Status (1)	Material type (2)	Package Pins	Package qty Carrier	RoHS (3)	Lead finish/ Ball material (4)	MSL rating/ Peak reflow (5)	Op temp (°C)	Part marking (6)
TLVH431ACDBVR	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(Y3PG, Y3PJ, Y3PU)
TLVH431ACDBVR.A	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	(Y3PG, Y3PJ, Y3PU)
TLVH431ACDBVT	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(Y3PG, Y3PJ, Y3PU)
TLVH431ACDBVT.A	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	(Y3PG, Y3PJ, Y3PU)
TLVH431ACDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(Y3PS, Y3PU)
TLVH431ACDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	(Y3PS, Y3PU)
TLVH431ACDBZRG4	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU NIPDAUAG	Level-1-260C-UNLIM	0 to 70	Y3PS
TLVH431ACDBZRG4.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	Y3PS
TLVH431ACDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(Y3PS, Y3PU)
TLVH431ACDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	(Y3PS, Y3PU)
TLVH431ACDCKR	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	YPU
TLVH431ACDCKR.A	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	YPU
TLVH431ACDCKT	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	YPU
TLVH431ACDCKT.A	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	YPU
TLVH431ACLP	Obsolete	Production	TO-92 (LP) 3	-	-	Call TI	Call TI	0 to 70	ZA431A
TLVH431ACLPR	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	0 to 70	ZA431A
TLVH431ACLPR.A	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	0 to 70	ZA431A
TLVH431ACPK	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	0 to 70	W2
TLVH431ACPK.A	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	0 to 70	W2
TLVH431AIDBVR	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(Y3TJ, Y3TU)
TLVH431AIDBVR.A	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 85	(Y3TJ, Y3TU)
TLVH431AIDBVT	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(Y3TJ, Y3TU)
TLVH431AIDBVT.A	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 85	(Y3TJ, Y3TU)
TLVH431AIDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	(Y3T3, Y3TS, Y3TU)

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TLVH431AIDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	(Y3T3, Y3TS, Y3TU)
TLVH431AIDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	(Y3TS, Y3TU)
TLVH431AIDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	(Y3TS, Y3TU)
TLVH431AIDBZTG4	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	Y3TS
TLVH431AIDBZTG4.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	Y3TS
TLVH431AIDCKR	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	YTU
TLVH431AIDCKR.A	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 85	YTU
TLVH431AIDCKT	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	YTU
TLVH431AIDCKT.A	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 85	YTU
TLVH431AILP	Obsolete	Production	TO-92 (LP) 3	-	-	Call TI	Call TI	-40 to 85	ZB431A
TLVH431AILPR	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	-40 to 85	ZB431A
TLVH431AILPR.A	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	-40 to 85	ZB431A
TLVH431AIPK	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 85	W3
TLVH431AIPK.A	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 85	W3
TLVH431AQDBVR	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(Y3NJ, Y3NS, Y3NU)
TLVH431AQDBVR.A	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y3NJ, Y3NS, Y3NU)
TLVH431AQDBVT	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(Y3NJ, Y3NU)
TLVH431AQDBVT.A	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	(Y3NJ, Y3NU)
TLVH431AQDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(Y3NS, Y3NU)
TLVH431AQDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y3NS, Y3NU)
TLVH431AQDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(Y3NS, Y3NU)
TLVH431AQDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y3NS, Y3NU)
TLVH431AQDBZTG4	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	Y3NS
TLVH431AQDBZTG4.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	Y3NS
TLVH431AQDCKR	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	YNU
TLVH431AQDCKR.A	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	YNU

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TLVH431AQDCKRG4	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	YNU
TLVH431AQDCKRG4.A	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	YNU
TLVH431AQDCKT	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	YNU
TLVH431AQDCKT.A	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	YNU
TLVH431AQLP	Obsolete	Production	TO-92 (LP) 3	-	-	Call TI	Call TI	-40 to 125	ZD431A
TLVH431AQLPR	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	-40 to 125	ZD431A
TLVH431AQLPR.A	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	-40 to 125	ZD431A
TLVH431AQP	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 125	VD
TLVH431AQP.A	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 125	VD
TLVH431BCDBVR	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(Y3JJ, Y3JU)
TLVH431BCDBVR.A	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	(Y3JJ, Y3JU)
TLVH431BCDBVT	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(Y3JJ, Y3JU)
TLVH431BCDBVT.A	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	(Y3JJ, Y3JU)
TLVH431BCDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(Y3J3, Y3JS, Y3JU)
TLVH431BCDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	(Y3J3, Y3JS, Y3JU)
TLVH431BCDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(Y3JS, Y3JU)
TLVH431BCDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	(Y3JS, Y3JU)
TLVH431BCDBZTG4	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU NIPDAUAG	Level-1-260C-UNLIM	0 to 70	Y3JS
TLVH431BCDBZTG4.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	Y3JS
TLVH431BCDCKR	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	YHU
TLVH431BCDCKR.A	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	YHU
TLVH431BCDCKT	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	YHU
TLVH431BCDCKT.A	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	YHU
TLVH431BCLP	Active	Production	TO-92 (LP) 3	1000 BULK	Yes	SN	N/A for Pkg Type	0 to 70	ZA431B
TLVH431BCLP.A	Active	Production	TO-92 (LP) 3	1000 BULK	Yes	SN	N/A for Pkg Type	0 to 70	ZA431B
TLVH431BCLPR	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	0 to 70	ZA431B
TLVH431BCLPR.A	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	0 to 70	ZA431B
TLVH431BCPK	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	0 to 70	V7

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TLVH431BCPK.A	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	0 to 70	V7
TLVH431BIDBVR	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(Y3KJ, Y3KS, Y3KU)
TLVH431BIDBVR.A	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	(Y3KJ, Y3KS, Y3KU)
TLVH431BIDBVT	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(Y3KJ, Y3KU)
TLVH431BIDBVT.A	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 85	(Y3KJ, Y3KU)
TLVH431BIDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	(Y3K3, Y3KS, Y3KU)
TLVH431BIDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	(Y3K3, Y3KS, Y3KU)
TLVH431BIDBZRG4	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	Y3KS
TLVH431BIDBZRG4.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	Y3KS
TLVH431BIDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	(Y3KS, Y3KU)
TLVH431BIDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	(Y3KS, Y3KU)
TLVH431BIDCKR	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	YJU
TLVH431BIDCKR.A	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 85	YJU
TLVH431BIDCKRG4.A	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	YJU
TLVH431BIDCKT	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	YJU
TLVH431BIDCKT.A	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 85	YJU
TLVH431BILP	Active	Production	TO-92 (LP) 3	1000 BULK	Yes	SN	N/A for Pkg Type	-40 to 85	ZB431B
TLVH431BILP.A	Active	Production	TO-92 (LP) 3	1000 BULK	Yes	SN	N/A for Pkg Type	-40 to 85	ZB431B
TLVH431BILPR	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	-40 to 85	ZB431B
TLVH431BILPR.A	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	-40 to 85	ZB431B
TLVH431BIPK	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 85	V8
TLVH431BIPK.A	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 85	V8
TLVH431BQDBVR	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(Y3LJ, Y3LU)
TLVH431BQDBVR.A	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	(Y3LJ, Y3LU)
TLVH431BQDBVT	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(Y3LJ, Y3LU)
TLVH431BQDBVT.A	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	(Y3LJ, Y3LU)

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TLVH431BQDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(Y3LS, Y3LU)
TLVH431BQDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y3LS, Y3LU)
TLVH431BQDBZRG4	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	Y3LS
TLVH431BQDBZRG4.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	Y3LS
TLVH431BQDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(Y3LS, Y3LU)
TLVH431BQDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y3LS, Y3LU)
TLVH431BQDBZTG4.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	Y3LS
TLVH431BQDCKR	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	YKU
TLVH431BQDCKR.A	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	YKU
TLVH431BQDCKRG4	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	YKU
TLVH431BQDCKRG4.A	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	YKU
TLVH431BQDCKT	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	YKU
TLVH431BQDCKT.A	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	YKU
TLVH431BQLP	Obsolete	Production	TO-92 (LP) 3	-	-	Call TI	Call TI	-40 to 125	ZD431B
TLVH431BQLPR	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	-40 to 125	ZD431B
TLVH431BQLPR.A	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	-40 to 125	ZD431B
TLVH431BQPK	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 125	V9
TLVH431BQPK.A	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 125	V9
TLVH431CDBVR	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(Y3UJ, Y3US, Y3UU)
TLVH431CDBVR.A	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	(Y3UJ, Y3US, Y3UU)
TLVH431CDBVT	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(Y3UJ, Y3UU)
TLVH431CDBVT.A	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	(Y3UJ, Y3UU)
TLVH431CDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(Y3US, Y3UU)
TLVH431CDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	(Y3US, Y3UU)
TLVH431CDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(Y3US, Y3UU)
TLVH431CDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	(Y3US, Y3UU)

Orderable part number	Status (1)	Material type (2)	Package Pins	Package qty Carrier	RoHS (3)	Lead finish/ Ball material (4)	MSL rating/ Peak reflow (5)	Op temp (°C)	Part marking (6)
TLVH431CDBZTG4	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU NIPDAUAG	Level-1-260C-UNLIM	0 to 70	Y3US
TLVH431CDBZTG4.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	Y3US
TLVH431CDCKT	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	YUU
TLVH431CDCKT.A	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	0 to 70	YUU
TLVH431CLP	Obsolete	Production	TO-92 (LP) 3	-	-	Call TI	Call TI	0 to 70	ZA431
TLVH431CLPR	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	0 to 70	ZA431
TLVH431CLPR.A	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	0 to 70	ZA431
TLVH431CPK	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	0 to 70	W4
TLVH431CPK.A	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	0 to 70	W4
TLVH431IDBVR	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(Y3VJ, Y3VS, Y3VU)
TLVH431IDBVR.A	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	(Y3VJ, Y3VS, Y3VU)
TLVH431IDBVT	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(Y3VJ, Y3VU)
TLVH431IDBVT.A	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 85	(Y3VJ, Y3VU)
TLVH431IDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	(Y3VS, Y3VU)
TLVH431IDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	(Y3VS, Y3VU)
TLVH431IDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	(Y3VS, Y3VU)
TLVH431IDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	(Y3VS, Y3VU)
TLVH431IDCKR	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	YVU
TLVH431IDCKR.A	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 85	YVU
TLVH431IDCKT	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	YVU
TLVH431IDCKT.A	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 85	YVU
TLVH431ILP	Obsolete	Production	TO-92 (LP) 3	-	-	Call TI	Call TI	-40 to 85	ZB431
TLVH431ILPR	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	-40 to 85	ZB431
TLVH431ILPR.A	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	-40 to 85	ZB431
TLVH431IPK	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 85	W5
TLVH431IPK.A	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 85	W5
TLVH431QDBVR	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(Y3MJ, Y3MS, Y3MU)

Orderable part number	Status (1)	Material type (2)	Package Pins	Package qty Carrier	RoHS (3)	Lead finish/ Ball material (4)	MSL rating/ Peak reflow (5)	Op temp (°C)	Part marking (6)
TLVH431QDBVR.A	Active	Production	SOT-23 (DBV) 5	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y3MJ, Y3MS, Y3MU)
TLVH431QDBVT	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(Y3MJ, Y3MU)
TLVH431QDBVT.A	Active	Production	SOT-23 (DBV) 5	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	(Y3MJ, Y3MU)
TLVH431QDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(Y3MS, Y3MU)
TLVH431QDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y3MS, Y3MU)
TLVH431QDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(Y3MS, Y3MU)
TLVH431QDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y3MS, Y3MU)
TLVH431QDBZTG4	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	Y3MS
TLVH431QDBZTG4.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	Y3MS
TLVH431QDCKR	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	YMU
TLVH431QDCKR.A	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	YMU
TLVH431QDCKRG4	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	YMU
TLVH431QDCKRG4.A	Active	Production	SC70 (DCK) 6	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	YMU
TLVH431QDCKT	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	YMU
TLVH431QDCKT.A	Active	Production	SC70 (DCK) 6	250 SMALL T&R	Yes	SN	Level-1-260C-UNLIM	-40 to 125	YMU
TLVH431QLP	Obsolete	Production	TO-92 (LP) 3	-	-	Call TI	Call TI	-40 to 125	ZD431
TLVH431QLPR	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	-40 to 125	ZD431
TLVH431QLPR.A	Active	Production	TO-92 (LP) 3	2000 LARGE T&R	Yes	SN	N/A for Pkg Type	-40 to 125	ZD431
TLVH431QPK	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 125	VC
TLVH431QPK.A	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 125	VC
TLVH432ACDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(Y2ES, Y2EU)
TLVH432ACDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	(Y2ES, Y2EU)
TLVH432ACDBZRG4	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU NIPDAUAG	Level-1-260C-UNLIM	0 to 70	Y2ES
TLVH432ACDBZRG4.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	Y2ES
TLVH432ACDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(Y2ES, Y2EU)
TLVH432ACDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	(Y2ES, Y2EU)

Orderable part number	Status (1)	Material type (2)	Package Pins	Package qty Carrier	RoHS (3)	Lead finish/ Ball material (4)	MSL rating/ Peak reflow (5)	Op temp (°C)	Part marking (6)
TLVH432AIDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	(Y2FS, Y2FU)
TLVH432AIDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	(Y2FS, Y2FU)
TLVH432AIPK	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 85	VL
TLVH432AIPK.A	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 85	VL
TLVH432AQDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(Y2GS, Y2GU)
TLVH432AQDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y2GS, Y2GU)
TLVH432AQDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(Y2GS, Y2GU)
TLVH432AQDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y2GS, Y2GU)
TLVH432BCDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(Y2HS, Y2HU)
TLVH432BCDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	(Y2HS, Y2HU)
TLVH432BCDBZRG4	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU NIPDAUAG	Level-1-260C-UNLIM	0 to 70	Y2HS
TLVH432BCDBZRG4.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	Y2HS
TLVH432BCPK	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	0 to 70	VN
TLVH432BCPK.A	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	0 to 70	VN
TLVH432BIDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	(Y2JS, Y2JU)
TLVH432BIDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	(Y2JS, Y2JU)
TLVH432BQDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(Y2KS, Y2KU)
TLVH432BQDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y2KS, Y2KU)
TLVH432BQDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(Y2KS, Y2KU)
TLVH432BQDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y2KS, Y2KU)
TLVH432BQDBZTG4	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	Y2KS
TLVH432BQDBZTG4.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	Y2KS
TLVH432CDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(Y2AS, Y2AU)
TLVH432CDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	(Y2AS, Y2AU)

Orderable part number	Status (1)	Material type (2)	Package Pins	Package qty Carrier	RoHS (3)	Lead finish/ Ball material (4)	MSL rating/ Peak reflow (5)	Op temp (°C)	Part marking (6)
TLVH432CDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(Y2AS, Y2AU)
TLVH432CDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	0 to 70	(Y2AS, Y2AU)
TLVH432CPK	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	0 to 70	VG
TLVH432CPK.A	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	0 to 70	VG
TLVH432IDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	(Y2BS, Y2BU)
TLVH432IDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	(Y2BS, Y2BU)
TLVH432QDBZR	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(Y2DS, Y2DU)
TLVH432QDBZR.A	Active	Production	SOT-23 (DBZ) 3	3000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y2DS, Y2DU)
TLVH432QDBZT	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(Y2DS, Y2DU)
TLVH432QDBZT.A	Active	Production	SOT-23 (DBZ) 3	250 SMALL T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(Y2DS, Y2DU)
TLVH432QPK	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 125	VJ
TLVH432QPK.A	Active	Production	SOT-89 (PK) 3	1000 LARGE T&R	Yes	SN	Level-2-260C-1 YEAR	-40 to 125	VJ

⁽¹⁾ **Status:** For more details on status, see our [product life cycle](#).

⁽²⁾ **Material type:** When designated, preproduction parts are prototypes/experimental devices, and are not yet approved or released for full production. Testing and final process, including without limitation quality assurance, reliability performance testing, and/or process qualification, may not yet be complete, and this item is subject to further changes or possible discontinuation. If available for ordering, purchases will be subject to an additional waiver at checkout, and are intended for early internal evaluation purposes only. These items are sold without warranties of any kind.

⁽³⁾ **RoHS values:** Yes, No, RoHS Exempt. See the [TI RoHS Statement](#) for additional information and value definition.

⁽⁴⁾ **Lead finish/Ball material:** Parts 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.

⁽⁵⁾ **MSL rating/Peak reflow:** The moisture sensitivity level ratings and peak solder (reflow) temperatures. In the event that a part has multiple moisture sensitivity ratings, only the lowest level per JEDEC standards is shown. Refer to the shipping label for the actual reflow temperature that will be used to mount the part to the printed circuit board.

⁽⁶⁾ **Part marking:** There may be an additional marking, which relates to the logo, the lot trace code information, or the environmental category of the part.

Multiple part markings will be inside parentheses. Only one part marking contained in parentheses and separated by a "~" will appear on a part. If a line is indented then it is a continuation of the previous line and the two combined represent the entire part marking for that device.

Important Information and Disclaimer: The information provided on this page represents TI's knowledge and belief as of the date that it is provided. TI bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy of such information. Efforts are underway to better integrate information from third parties. TI has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. TI and TI suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

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OTHER QUALIFIED VERSIONS OF TLVH431A, TLVH431B :

- Automotive : [TLVH431A-Q1](#), [TLVH431B-Q1](#)
- Enhanced Product : [TLVH431B-EP](#)

NOTE: Qualified Version Definitions:

- Automotive - Q100 devices qualified for high-reliability automotive applications targeting zero defects
- Enhanced Product - Supports Defense, Aerospace and Medical Applications