

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
TL431ACD	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	431AC	Samples
TL431ACDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(TACG, TACJ, TACS)	Samples
TL431ACDBVRE4	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	TACG	Samples
TL431ACDBVRG4	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	TACG	Samples
TL431ACDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(TACG, TACJ, TACU)	Samples
TL431ACDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	0 to 70	(TAC3, TACG, TACS, TACU)	Samples
TL431ACDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	TAC3	Samples
TL431ACDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(TAC3, TACG, TACS, TACU)	Samples
TL431ACDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	TAC3	Samples
TL431ACDCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	(T4S, T4U)	Samples
TL431ACDG4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	431AC	Samples
TL431ACDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	431AC	Samples
TL431ACDRE4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	431AC	Samples
TL431ACDRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	431AC	Samples
TL431ACLP	ACTIVE	TO-92	LP	3	1000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	TL431AC	Samples
TL431ACLPE3	ACTIVE	TO-92	LP	3	1000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	TL431AC	Samples
TL431ACLPM	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	TL431AC	Samples
TL431ACLPME3	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	TL431AC	Samples
TL431ACLPR	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	TL431AC	Samples

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
TL431ACLPRE3	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	TL431AC	Samples
TL431ACP	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	0 to 70	TL431ACP	Samples
TL431ACPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	0 to 70	4A	Samples
TL431ACPKG3	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	0 to 70	4A	Samples
TL431ACPSR	ACTIVE	SO	PS	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T431A	Samples
TL431ACPW	ACTIVE	TSSOP	PW	8	150	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T431A	Samples
TL431ACPWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T431A	Samples
TL431AID	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	431AI	Samples
TL431AIDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(TAIG, TAIJ, TAIS)	Samples
TL431AIDBVRE4	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	TAIG	Samples
TL431AIDBVRG4	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	TAIG	Samples
TL431AIDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(TAIG, TAIJ, TAIU)	Samples
TL431AIDBVTG4	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	TAIG	Samples
TL431AIDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(T3AG, TA13, TAIS, TAIU)	Samples
TL431AIDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	TA13	Samples
TL431AIDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(T3AG, TA13, TAIS, TAIU)	Samples
TL431AIDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	TA13	Samples
TL431AIDCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T5U	Samples
TL431AIDCKRE4	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T5U	Samples
TL431AIDCKT	ACTIVE	SC70	DCK	6	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T5U	Samples

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
TL431AIDCKTG4	ACTIVE	SC70	DCK	6	250	TBD	Call TI	Call TI	-40 to 85		Samples
TL431AIDG4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	431AI	Samples
TL431AIDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	431AI	Samples
TL431AIDRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	431AI	Samples
TL431AILP	ACTIVE	TO-92	LP	3	1000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	TL431AI	Samples
TL431AILPE3	ACTIVE	TO-92	LP	3	1000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	TL431AI	Samples
TL431AILPM	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	TL431AI	Samples
TL431AILPME3	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	TL431AI	Samples
TL431AILPR	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	TL431AI	Samples
TL431AILPRE3	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	TL431AI	Samples
TL431AIP	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	TL431AIP	Samples
TL431AIPPE4	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	TL431AIP	Samples
TL431AIPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 85	4B	Samples
TL431AIPKG3	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 85	4B	Samples
TL431AQDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(TAQG, TAQJ, TAQU)	Samples
TL431AQDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(TAQG, TAQJ, TAQU)	Samples
TL431AQDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	-40 to 125	(TAQ3, TAQG, TAQS, TAQU)	Samples
TL431AQDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	TAQS	Samples
TL431AQDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	-40 to 125	(TAQG, TAQS, TAQU)	Samples
TL431AQDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	TAQS	Samples

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
TL431AQDCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T7U	Samples
TL431AQDCKT	ACTIVE	SC70	DCK	6	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T7U	Samples
TL431AQP	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	4D	Samples
TL431AQP3	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	4D	Samples
TL431BCD	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T431B	Samples
TL431BCDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(T3GG, T3GJ, T3GU)	Samples
TL431BCDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(T3GG, T3GJ, T3GU)	Samples
TL431BCDBVTG4	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T3GG	Samples
TL431BCDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(T3G3, T3GG, T3GS, T3GU)	Samples
TL431BCDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T3G3	Samples
TL431BCDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(T3G3, T3GG, T3GS, T3GU)	Samples
TL431BCDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T3G3	Samples
TL431BCDCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T2U	Samples
TL431BCDCKT	ACTIVE	SC70	DCK	6	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T2U	Samples
TL431BCDE4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T431B	Samples
TL431BCDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T431B	Samples
TL431BCDRG4	ACTIVE	SOIC	D	8	2500	TBD	Call TI	Call TI	0 to 70		Samples
TL431BCLP	ACTIVE	TO-92	LP	3	1000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	T431B	Samples
TL431BCLPE3	ACTIVE	TO-92	LP	3	1000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	T431B	Samples
TL431BCLPR	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	T431B	Samples

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
TL431BCP	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	0 to 70	TL431BCP	Samples
TL431BCPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	0 to 70	4C	Samples
TL431BCPKG3	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	0 to 70	4C	Samples
TL431BCPSR	ACTIVE	SO	PS	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T431B	Samples
TL431BCPWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T431B	Samples
TL431BID	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	Z431B	Samples
TL431BIDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(T3FG, T3FJ, T3FU)	Samples
TL431BIDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(T3FG, T3FJ, T3FU)	Samples
TL431BIDBVTG4	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T3FG	Samples
TL431BIDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(T3F3, T3FG, T3FS, T3FU)	Samples
TL431BIDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T3F3	Samples
TL431BIDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	(T3F3, T3FG, T3FS, T3FU)	Samples
TL431BIDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T3F3	Samples
TL431BIDCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T3U	Samples
TL431BIDCKT	ACTIVE	SC70	DCK	6	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T3U	Samples
TL431BIDCKTE4	ACTIVE	SC70	DCK	6	250	TBD	Call TI	Call TI	-40 to 85		Samples
TL431BIDCKTG4	ACTIVE	SC70	DCK	6	250	TBD	Call TI	Call TI	-40 to 85		Samples
TL431BIDE4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	Z431B	Samples
TL431BIDG4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	Z431B	Samples
TL431BIDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	Z431B	Samples

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
TL431BIDRE4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	Z431B	Samples
TL431BIDRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	Z431B	Samples
TL431BILP	ACTIVE	TO-92	LP	3	1000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	Z431B	Samples
TL431BILPE3	ACTIVE	TO-92	LP	3	1000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	Z431B	Samples
TL431BILPR	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	Z431B	Samples
TL431BILPRE3	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	Z431B	Samples
TL431BIP	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	TL431BIP	Samples
TL431BIPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 85	4I	Samples
TL431BIPKG3	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 85	4I	Samples
TL431BQD	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T431BQ	Samples
TL431BQDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(T3HJ, T3HU)	Samples
TL431BQDBVRG4	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(T3HJ, T3HU)	Samples
TL431BQDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(T3HJ, T3HU)	Samples
TL431BQDBVTE4	ACTIVE	SOT-23	DBV	5	250	TBD	Call TI	Call TI	-40 to 125		Samples
TL431BQDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU SN NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(T3H3, T3HG, T3HS, T3HU)	Samples
TL431BQDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	T3HS	Samples
TL431BQDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	-40 to 125	(T3HG, T3HS, T3HU)	Samples
TL431BQDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	T3HS	Samples
TL431BQDCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T8U	Samples
TL431BQDCKT	ACTIVE	SC70	DCK	6	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T8U	Samples
TL431BQDCKTE4	ACTIVE	SC70	DCK	6	250	TBD	Call TI	Call TI	-40 to 125		Samples

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
TL431BQDE4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T431BQ	Samples
TL431BQDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T431BQ	Samples
TL431BQDRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T431BQ	Samples
TL431BQLP	ACTIVE	TO-92	LP	3	1000	RoHS & Green	SN	N / A for Pkg Type	-40 to 125	T431BQ	Samples
TL431BQLPM	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	-40 to 125	T431BQ	Samples
TL431BQLPME3	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	-40 to 125	T431BQ	Samples
TL431BQLPR	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	-40 to 125	T431BQ	Samples
TL431BQLPRE3	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	-40 to 125	T431BQ	Samples
TL431BQPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	3H	Samples
TL431BQPKG3	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	3H	Samples
TL431CD	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	TL431C	Samples
TL431CDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(T3CG, T3CJ, T3CS)	Samples
TL431CDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(T3CG, T3CJ, T3CS)	Samples
TL431CDBVTG4	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T3CG	Samples
TL431CDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(T3C3, T3CG, T3CS, T3CU)	Samples
TL431CDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T3C3	Samples
TL431CDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	0 to 70	(T3CG, T3CS, T3CU)	Samples
TL431CDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	0 to 70	T3CS	Samples
TL431CDE4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	TL431C	Samples
TL431CDG4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	TL431C	Samples

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
TL431CDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	TL431C	Samples
TL431CDRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	TL431C	Samples
TL431CLP	ACTIVE	TO-92	LP	3	1000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	TL431C	Samples
TL431CLPE3	ACTIVE	TO-92	LP	3	1000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	TL431C	Samples
TL431CLPM	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	TL431C	Samples
TL431CLPME3	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	TL431C	Samples
TL431CLPR	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	TL431C	Samples
TL431CLPRE3	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	0 to 70	TL431C	Samples
TL431CP	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	0 to 70	TL431CP	Samples
TL431CPE4	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	0 to 70	TL431CP	Samples
TL431CPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	0 to 70	43	Samples
TL431CPKE6	ACTIVE	SOT-89	PK	3	1000	RoHS & Non-Green	SNBI	Level-1-260C-UNLIM	0 to 70	43	Samples
TL431CPKG3	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	0 to 70	43	Samples
TL431CPSR	ACTIVE	SO	PS	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T431	Samples
TL431CPSRG4	ACTIVE	SO	PS	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T431	Samples
TL431CPWR	ACTIVE	TSSOP	PW	8	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	0 to 70	T431	Samples
TL431ID	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	TL431I	Samples
TL431IDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(T3IG, T3IJ, T3IS)	Samples
TL431IDBvre4	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T3IG	Samples
TL431IDBVRG4	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T3IG	Samples
TL431IDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(T3IG, T3IJ, T3IU)	Samples

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
TL431IDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	-40 to 85	(T3I3, T3IG, T3IS, T3IU)	Samples
TL431IDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	T3IS	Samples
TL431IDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	-40 to 85	(T3IG, T3IS, T3IU)	Samples
TL431IDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	T3IS	Samples
TL431IDG4	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	TL431I	Samples
TL431IDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	TL431I	Samples
TL431IDRE4	ACTIVE	SOIC	D	8	2500	TBD	Call TI	Call TI	-40 to 85		Samples
TL431IDRG4	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	TL431I	Samples
TL431ILP	ACTIVE	TO-92	LP	3	1000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	TL431I	Samples
TL431ILPE3	ACTIVE	TO-92	LP	3	1000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	TL431I	Samples
TL431ILPR	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	TL431I	Samples
TL431ILPRE3	ACTIVE	TO-92	LP	3	2000	RoHS & Green	SN	N / A for Pkg Type	-40 to 85	TL431I	Samples
TL431IP	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	TL431IP	Samples
TL431IPE4	ACTIVE	PDIP	P	8	50	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	TL431IP	Samples
TL431IPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 85	3I	Samples
TL431IPKG3	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 85	3I	Samples
TL431IQD	ACTIVE	SOIC	D	8	75	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T431Q	Samples
TL431IQDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(T3QG, T3QJ, T3QU)	Samples
TL431IQDBVRG4	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T3QG	Samples
TL431IQDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(T3QG, T3QJ, T3QU)	Samples

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
TL431QDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	-40 to 125	(T3Q3, T3QG, T3QS, T3QU)	Samples
TL431QDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	T3QS	Samples
TL431QDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	-40 to 125	(T3QG, T3QS, T3QU)	Samples
TL431QDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	T3QS	Samples
TL431QDCKR	ACTIVE	SC70	DCK	6	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T6U	Samples
TL431QDCKT	ACTIVE	SC70	DCK	6	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T6U	Samples
TL431QDCKTG4	ACTIVE	SC70	DCK	6	250	TBD	Call TI	Call TI	-40 to 125		Samples
TL431QDR	ACTIVE	SOIC	D	8	2500	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	T431Q	Samples
TL431QPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	3Q	Samples
TL431QPKG3	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	3Q	Samples
TL432ACDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(T4BG, T4BJ, T4BU)	Samples
TL432ACDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	0 to 70	(T4B3, T4BG, T4BS, T4BU)	Samples
TL432ACDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	0 to 70	T4BS	Samples
TL432ACDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	0 to 70	(T4BG, T4BS, T4BU)	Samples
TL432ACDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	0 to 70	T4BS	Samples
TL432AIDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(T4AG, T4AJ, T4AU)	Samples
TL432AIDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(T4A3, T4AG, T4AS, T4AU)	Samples
TL432AIDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T4A3	Samples
TL432AIDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(T4A3, T4AG, T4AS, T4AU)	Samples

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
TL432AIDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T4A3	Samples
TL432AIPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 85	2E	Samples
TL432AQDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(T4DJ, T4DU)	Samples
TL432AQDBVT	ACTIVE	SOT-23	DBV	5	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 125	(T4DJ, T4DU)	Samples
TL432AQDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	-40 to 125	(T4D3, T4DG, T4DS, T4DU)	Samples
TL432AQDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	T4DS	Samples
TL432AQDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	-40 to 125	(T4DG, T4DS, T4DU)	Samples
TL432AQDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	T4DS	Samples
TL432AQPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	2F	Samples
TL432AQPKG3	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	2F	Samples
TL432BCDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(TBCJ, TBCU)	Samples
TL432BCDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	0 to 70	(TBCG, TBCS, TBCU)	Samples
TL432BCDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	0 to 70	TBCS	Samples
TL432BCDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	0 to 70	(TBCG, TBCS, TBCU)	Samples
TL432BCDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	0 to 70	TBCS	Samples
TL432BCPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	0 to 70	2G	Samples
TL432BIDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(T4F3, T4FG, T4FS, T4FU)	Samples
TL432BIDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T4F3	Samples
TL432BIDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(T4F3, T4FG, T4FS, T4FU)	Samples
TL432BIDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	T4F3	Samples

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
TL432BIPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 85	2H	Samples
TL432BQDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	(T4H3, T4HS, T4HU)	Samples
TL432BQDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 125	(T4H3, T4HS, T4HU)	Samples
TL432BQPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	2J	Samples
TL432CDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	0 to 70	(T4CG, T4CJ, T4CU)	Samples
TL432CDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	0 to 70	(T4CG, T4CS, T4CU)	Samples
TL432CDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	0 to 70	T4CS	Samples
TL432CPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	0 to 70	2A	Samples
TL432IDBVR	ACTIVE	SOT-23	DBV	5	3000	RoHS & Green	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	(T4IG, T4IJ, T4IU)	Samples
TL432IDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	-40 to 85	(T4IG, T4IS, T4IU)	Samples
TL432IDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	T4IS	Samples
TL432IDBZT	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	-40 to 85	(T4IG, T4IS, T4IU)	Samples
TL432IDBZTG4	ACTIVE	SOT-23	DBZ	3	250	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	-40 to 85	T4IS	Samples
TL432IPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 85	2B	Samples
TL432QDBZR	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG SN	Level-1-260C-UNLIM	-40 to 125	(T4QG, T4QS, T4QU)	Samples
TL432QDBZRG4	ACTIVE	SOT-23	DBZ	3	3000	RoHS & Green	NIPDAUAG	Level-1-260C-UNLIM	-40 to 125	T4QS	Samples
TL432QPK	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	2C	Samples
TL432QPKG3	ACTIVE	SOT-89	PK	3	1000	RoHS & Green	SN	Level-2-260C-1 YEAR	-40 to 125	2C	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 TL431, TL432 :

- Automotive : [TL431-Q1](#), [TL432-Q1](#)

NOTE: Qualified Version Definitions:

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