



# TDA3629

Light position controller

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**Overview** | **Parameters** | **Products / Packages / Packing** | **Quality** | **Documentation** | **Ordering** | **Design support** | **Share**

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The Light position controller (Leucht Weiten Steller, LWS) is a monolithic integrated circuit intended to be used in passenger cars. This device adapts the elevation of the light beam of the head light of the car to a state defined by the car driver using a potentiometer on the dashboard.

**Features and benefits**

- Low positional error
- Low noise sensitivity due to hysteresis
- Low supply current
- Thermally protected
- Broken wire and short-circuit indication on SET input
- Brake function by short-circuiting the motor
- Hysteresis level set externally.

**Applications**

- Hard Disk Drive (HDD).

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**Quick ordering**

TDA3629/YWU

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**Parametrics of this product**

Type number	Package version	Application	Configuration	Package material	Function	Operating Temperature (Cet)	Category
TDA3629	SOT97-1	Control Devices	n.a.	DIL8	Microcontrollers	-40 ~ +105	ASIC
TDA3629T	SOT109-1	Control Devices	n.a.	SO16	Microcontrollers	-40 ~ +105	ASIC

**Package**

Type number	Package	Outline version	Reflow-Wave soldering	Packing	Product status	Marking	Orderable part number, (Ordering code (12NC))
TDA3629YW	DIP8 (SOT97-1)	<a href="#">sot097-1_po</a>		Bulk Pack	<b>Active</b>	Standard Marking	TDA3629YWU (9352 995 21112)
TDA3629TYMMW	SO16 (SOT109-1)	<a href="#">sot109-1_po</a>	<a href="#">SO-SOJ-REFLOW</a> <a href="#">SO-SOJ-WAVE</a>	<a href="#">Reel 13" Q1/T1</a>	<b>Active</b>	Standard Marking	TDA3629TYMMWJ (9352 001 31118)

The variants in the table below are discontinued. See the table Discontinuation information at the bottom of this page for more information.

Type number	Package	Outline version	Reflow-Wave soldering	Packing	Product status	Marking	Orderable part number, (Ordering code (12NC))
TDA3629N2	DIP8 (SOT97-1)	<a href="#">sot097-1_po</a>		Bulk Pack	<b>Withdrawn Replacement product</b>	Standard Marking	TDA3629N2,112 (9352 164 10112)
TDA3629Y	DIP8 (SOT97-1)	<a href="#">sot097-1_po</a>		Bulk Pack	<b>Discontinued Replacement product</b>	Standard Marking	TDA3629Y,112 (9352 888 86112)
TDA3629TN2	SO18 (SOT109-1)	<a href="#">sot109-1_po</a>	<a href="#">SO-SOJ-REFLOW</a> <a href="#">SO-SOJ-WAVE</a>	<a href="#">Reel 13" Q1/T1</a>	<b>Withdrawn Replacement product</b>	Standard Marking	TDA3629TN2,118 (9352 164 10118)
				Bulk Pack	<b>Withdrawn Replacement product</b>	Standard Marking	TDA3629TN2,112 (9352 164 10112)
TDA3629TYM	SO16 (SOT109-1)	<a href="#">sot109-1_po</a>	<a href="#">SO-SOJ-REFLOW</a> <a href="#">SO-SOJ-WAVE</a>	Bulk Pack	<b>Discontinued Replacement product</b>	Standard Marking	TDA3629TYM,112 (9352 888 87112)
				<a href="#">Reel 13" Q1/T1</a>	<b>Discontinued Replacement product</b>	Standard Marking	TDA3629TYM,118 (9352 888 87118)

**Discontinuation information**

Type number	Ordering code (12NC)	Last-time buy date	Last-time delivery date	Replacement product	DN Notice	Status	Comments
TDA3629N2	935216210112	31-dec-09	31-mrt-12	TDA3629Y	DN 64	Sole source product Limited availability (check with your usual sales contact)	FAB ICN5 Closure. Refer to PCN200901053A dated January 21, 2009. Extended Last Time Delivery till 31.3.2012. Replacement type with new diffusion fab location only
TDA3629Y	935288886112	30-Sep-13	31-Dec-13	TDA3629YW	DN NXP-DN_201306022DN		Refer to APCN 201208007. Contact marketing for Replacement Part.
TDA3629TN	935277293118	30-Jun-07	31-Dec-07	see comments	DN 58	Multi source product Standard availability	"Alternate leadfree 12NC
TDA3629TN	935277293112	30-Jun-07	31-Dec-07	see comments	DN 58	Multi source product Standard availability	"Alternate leadfree 12NC
TDA3629TN2	935216410118	31-dec-09	31-mrt-12	TDA3629TYM	DN 64	Sole source product Limited availability (check with your usual sales contact)	FAB ICN5 Closure. Refer to PCN200901053A dated January 21, 2009. Extended Last Time Delivery till 31.3.2012. Replacement type with new diffusion fab location only
TDA3629TN2	935216410112	31-dec-09	31-mrt-12	TDA3629TYM	DN 64	Sole source product Limited availability (check with your usual sales contact)	FAB ICN5 Closure. Refer to PCN200901053A dated January 21, 2009. Extended Last Time Delivery till 31.3.2012. Replacement type with new diffusion fab location only
TDA3629TYM	935288887112	30-Sep-13	31-Dec-13	TDA3629TYMMW	DN NXP-DN_201212003DN		Standard End of Life. Sole Source. For Replacement Part, contact Marketing and/or refer to APCN 201208007A dated 16-Oct-2012.
TDA3629TYM	935288887118	30-Sep-13	31-Dec-13	TDA3629TYMMW	DN NXP-DN_201212003DN		Standard End of Life. Sole Source. For Replacement Part, contact Marketing and/or refer to APCN 201208007A dated 16-Oct-2012.
TDA3629TYM	935288887512				DN		
TDA3629TYM	935288887518				DN		

**Quality, reliability & chemical content**

Type number	Orderable part number	Chemical content	RoHS / RHF	Leadfree conversion date	MSL	MSL LF
TDA3629YW	TDA3629YWU	TDA3629YW	<b>G</b>	Always Pb-free	NA	NA
TDA3629TYMMW	TDA3629TYMMWJ	TDA3629TYMMW	<b>D</b>	Always Pb-free	1	1

The variants in the table below are discontinued. See the table Discontinuation information at the bottom of this page for more information.

Type number	Orderable part number	Chemical content	RoHS / RHF	Leadfree conversion date	MSL	MSL LF
TDA3629N2	TDA3629N2,112	Not available	<b>G</b>	Always Pb-free	NA	NA
TDA3629Y	TDA3629Y,112	Not available	<b>G</b>	Always Pb-free	NA	NA
TDA3629TN2	TDA3629TN2,118	Not available	<b>G</b>	week 8, 2005	1	1
TDA3629TN2	TDA3629TN2,112	Not available	<b>G</b>	week 8, 2005	1	1
TDA3629TYM	TDA3629TYM,112	Not available	<b>D</b>	Always Pb-free	1	1
TDA3629TYM	TDA3629TYM,118	Not available	<b>D</b>	Always Pb-free	1	1

Quality and reliability disclaimer

**Discontinuation information**

Type number	Ordering code (12NC)	Last-time buy date	Last-time delivery date	Replacement product	DN Notice	Status	Comments
TDA3629N2	935216210112	31-dec-09	31-mrt-12	TDA3629Y	DN 64	Sole source product Limited availability (check with your usual sales contact)	FAB ICN5 Closure. Refer to PCN200901053A dated January 21, 2009. Extended Last Time Delivery till 31.3.2012. Replacement type with new diffusion fab location only
TDA3629Y	935288886112	30-Sep-13	31-Dec-13	TDA3629YW	DN NXP-DN_201306022DN		Refer to APCN 201208007. Contact marketing for Replacement Part.
TDA3629TN	935277293118	30-Jun-07	31-Dec-07	see comments	DN 58	Multi source product Standard availability	"Alternate leadfree 12NC
TDA3629TN	935277293112	30-Jun-07	31-Dec-07	see comments	DN 58	Multi source product Standard availability	"Alternate leadfree 12NC
TDA3629TN2	935216410118	31-dec-09	31-mrt-12	TDA3629TYM	DN 64	Sole source product Limited availability (check with your usual sales contact)	FAB ICN5 Closure. Refer to PCN200901053A dated January 21, 2009. Extended Last Time Delivery till 31.3.2012. Replacement type with new diffusion fab location only
TDA3629TN2	935216410112	31-dec-09	31-mrt-12	TDA3629TYM	DN 64	Sole source product Limited availability (check with your usual sales contact)	FAB ICN5 Closure. Refer to PCN200901053A dated January 21, 2009. Extended Last Time Delivery till 31.3.2012. Replacement type with new diffusion fab location only
TDA3629TYM	935288887112	30-Sep-13	31-Dec-13	TDA3629TYMMW	DN NXP-DN_201212003DN		Standard End of Life. Sole Source. For Replacement Part, contact Marketing and/or refer to APCN 201208007A dated 16-Oct-2012.
TDA3629TYM	935288887118	30-Sep-13	31-Dec-13	TDA3629TYMMW	DN NXP-DN_201212003DN		Standard End of Life. Sole Source. For Replacement Part, contact Marketing and/or refer to APCN 201208007A dated 16-Oct-2012.
TDA3629TYM	935288887512				DN		
TDA3629TYM	935288887518				DN		

**Documentation for this product**

[Download all documentation \(zip\)](#)

File name	Title	Type	Format	Date
<a href="#">TDA3629</a>	Light position controller	Data sheet	pdf	1996-09-04
<a href="#">sot097-1_po</a>	plastic dual in-line package; 8 leads (300 mil)	Outline drawing	pdf	2009-10-08
<a href="#">SO-SOJ-REFLOW</a>	Footprint for reflow soldering	Reflow soldering	pdf	2009-10-08
<a href="#">SO-SOJ-WAVE</a>	Footprint for wave soldering	Wave soldering	pdf	2009-10-08
<a href="#">sot109-1_po</a>	plastic small outline package; 16 leads; body width 3.9 mm	Outline drawing	pdf	2009-10-08
<a href="#">SOT109-1_118</a>	SO16, Reel pack; SMD, 13" Q1/T1 Standard product orientation Orderable part number ending ,118 or J Ordering code (12NC) ending 118	Packing	pdf	2013-04-24

**Ordering & availability**

Type number	Ordering code (12NC)	Orderable part number	Region	Distributor	In stock	Order quantity	Inventory date	Buy online	Samples
TDA3629YW	9352 995 21112	TDA3629YWU							<a href="#">Order samples</a>
TDA3629TYMMW	9353 001 31118	TDA3629TYMMWJ							Not available

**Sample**  
Sample orders normally take 2-4 days for delivery.  
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27-07-2015	LIN Transceiver for 150°C Ambient temperature	<a href="#">Feedback</a> <a href="#">New</a>
16-06-2015	Need to know about Automotive component qualification for the below ordering codes PEMD16, PEMH9, PMP5501V*, BC857BV, PEMH16*, PESD1CAN, BZX384-C2V7, BZX384-C4V7s	<a href="#">Feedback</a> <a href="#">New</a>
16-06-2015	Need to know about Automotive component qualification for the below ordering codes PEMD16, PEMH9, PMP5501V*, BC857BV, PEMH16*, PESD1CAN, BZX384-C2V7, BZX384-C4V7s	<a href="#">Feedback</a> <a href="#">New</a>
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24-12-2014	BSDL files for SAF3602EL & SAF7751HV	<a href="#">Feedback</a> <a href="#">New</a>
08-10-2014	we make a 560*12mm aluminum PCB with smd 2014 led with 8 leds in paralel and 12 set in series. Then we will need about 43-45 V, 390mA. The bus voltage is about 28-31V. Would have any auto circuit with these characteristics ? The ASL1010NTK can be a boost?	<a href="#">Feedback</a> <a href="#">New</a>
08-10-2014	we make a 560*12mm aluminum PCB with smd 2014 led with 8 leds in paralel and 12 set in series. Then we will need about 43-45 V, 390mA. The bus voltage is about 28-31V. Would have any auto circuit with these characteristics ? The ASL1010NTK can be a boost?	<a href="#">Feedback</a> <a href="#">New</a>
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