



Image may be representation.  
See specifications for product details.



## TLE5012BDE1200XUMA1

Manufacturer Part Number	<b>TLE5012BDE1200XUMA1</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-TLE5012BDE1200XUMA1
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	SPEED SENSORS 16TDSO
Package	16-TSSOP (0.154", 3.90mm Width)
Data sheet	<b>TLE5012BD*.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

TLE5012BDE1200XUMA1 - Infineon Technologies.New Original in Stock. Download Linear Technology TLE5012BDE1200XUMA1 datasheet/specifications on AllelcoElec.com.  
Request a quote for TLE5012BDE1200XUMA1, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

TLE5012BDE1200XUMA1 Tech Specifications  
TLE5012BDE1200XUMA1 - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Output Signal	Cosine, Sine
Voltage - Supply	-	Output	SENT, SPI
Termination Style	Gull Wing	Operating Temperature	-40°C ~ 125°C (TA)
Technology	Magnetoresistive	Mounting Type	Surface Mount
Supplier Device Package	PG-TDSO-16	Linearity	-
Series	Automotive, AEC-Q100	Linear Range	-
Rotation Angle - Electrical, Mechanical	0° ~ 360°, Continuous	For Measuring	Angle
Resistance Tolerance	-	Base Product Number	TLE5012
Package / Case	16-TSSOP (0.154", 3.90mm Width)	Actuator Type	External Magnet, Not Included
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies TLE5012BDE1200XUMA1

Product Attribute				
Part Number	TLE5012BDE1200XUMA1	TLE5012BE5020XUMA1	TLE5012BE9000FUMA1	TLE5012BE1000XUMA1
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Termination Style	Gull Wing	Gull Wing	Gull Wing	Gull Wing
Series	Automotive, AEC-Q100	Automotive, AEC-Q100	-	Automotive, AEC-Q100
Voltage - Supply	-	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
For Measuring	Angle	Angle	Angle	Angle
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Resistance Tolerance	-	-	-	-
Package / Case	16-TSSOP (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Technology	Magnetoresistive	Magnetoresistive	Magnetoresistive	Magnetoresistive
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C	-40°C ~ 150°C
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	TLE5012	TLE5012	TLE5012	TLE5012
Linearity	-	-	-	-
Linear Range	-	-	-	-
Rotation Angle - Electrical, Mechanical	0° ~ 360°, Continuous	0° ~ 360°, Continuous	0° ~ 360°, Continuous	0° ~ 360°, Continuous
Output	SENT, SPI	Wheatstone Bridge	SENT, SPI	Wheatstone Bridge
Output Signal	Cosine, Sine	Cosine, Sine	Cosine, Sine	-
Supplier Device Package	PG-TDSO-16	PG-DSO-8	PG-DSO-8	PG-DSO-8
Actuator Type	External Magnet, Not Included	External Magnet, Not Included	External Magnet, Not Included	External Magnet, Not Included

### TLE5012BDE1200XUMA1 Datasheet PDF

Download TLE5012BDE1200XUMA1 pdf datasheets and Infineon Technologies documentation for TLE5012BDE1200XUMA1 - Infineon Technologies.

#### Datasheets

[TLE5012BD\\*.pdf](#)

#### Other Related Documents

[Part Number Guide.pdf](#)

#### PCN Packaging

[2.73KHz.pdf](#)

## PCN Assembly/Origin

 2.73KHz.pdf



















## PCN Design/Specification

 TLE42744yy Datasheet Corr 20/Mar/2018.pdf

 TLE5012BD DataSheet Update 31/Jan/2017.pdf

## Customers Also Interested in

### Recommended Products

					
<b>TLE5012BE1000</b> Cypress Semiconductor (Infineon Technologies)	<b>TLE5012B E9000</b> Cypress Semiconductor (Infineon Technologies)	<b>TLE5027C E6747</b> Cypress Semiconductor (Infineon Technologies)	<b>TLE5012BE5020XUMA1</b> Infineon Technologies SPEED SENSORS 8DSO	<b>TLE5012B E1000</b> Cypress Semiconductor (Infineon Technologies)	<b>TLE5012BE9000FUMA1</b> Infineon Technologies SENSOR ANGLE 360DEG SMD
					
<b>TLE5012BE1000XUMA1</b> Infineon Technologies SENSOR ANGLE 360DEG SMD	<b>TLE5012BE3005</b> INF	<b>TLE5012BD E9200</b> Cypress Semiconductor (Infineon Technologies)	<b>TLE5012B</b> Cypress Semiconductor (Infineon Technologies)	<b>TLE5027C</b> Cypress Semiconductor (Infineon Technologies)	<b>TLE5025C</b> Cypress Semiconductor (Infineon Technologies)
					
<b>TLE5011</b> INF	<b>TLE5012B E5000</b> Cypress Semiconductor (Infineon Technologies)	<b>TLE5010G</b> INEINFON	<b>TLE5012B E500</b> Cypress Semiconductor (Infineon Technologies)	<b>TLE5012BD E1200</b> Cypress Semiconductor (Infineon Technologies)	<b>TLE5012B E3005</b> INF

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
- > Use our account for the shipment. Refer to the table below for the approximate charges.  
(Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

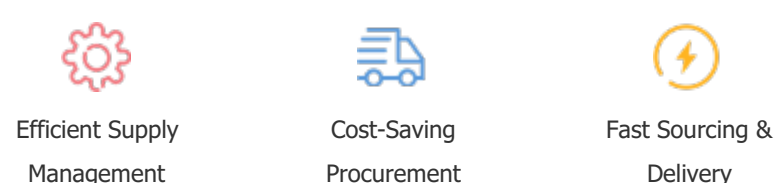
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



+00852 9146 4856

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### Certifications & Memberships



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