



Image may be representation.
See specifications for product details.



VB525SPTR-E

Manufacturer Part Number	VB525SPTR-E
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VB525SPTR-E
ECAD Model	PCB Footprint and Symbol
Parts Description	IC PWR DRVR BIPOLAR 1:1 PWRSO10
Package	PowerSO-10 Exposed Bottom Pad
Data sheet	VB525SP-E.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

VB525SPTR-E - STMicroelectronics.New Original in Stock. Download Linear Technology VB525SPTR-E datasheet/specifications on AllelcoElec.com.
Request a quote for VB525SPTR-E, please send us email: info@allelco.com

Specifications

VB525SPTR-E Tech Specifications

VB525SPTR-E - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Output Configuration	Low Side
Voltage - Supply (Vcc/Vdd)	-	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Load	4.5V ~ 5.5V	Number of Outputs	1
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	10-PowerSO	Interface	On/Off
Series	VIPower™	Input Type	Non-Inverting
Rds On (Typ)	-	Features	Status Flag
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Over Temperature
Package / Case	PowerSO-10 Exposed Bottom Pad	Current - Output (Max)	9A
Package	Tape & Reel (TR)	Base Product Number	VB525
Output Type	Bipolar		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VB525SPTR-E

Product Attribute				
Part Number	VB525SPTR-E	TPS2044DR	VND7140AJTR-E	TND023MP-AZ
Manufacturer	STMicroelectronics	Texas Instruments	STMicroelectronics	onsemi
Features	Status Flag	-	Auto Restart, Status Flag	-
Number of Outputs	1	4	2	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	-
Output Configuration	Low Side	High Side	High Side	-
Ratio - Input:Output	1:1	1:1	1:1	-
Interface	On/Off	On/Off	On/Off	-
Voltage - Load	4.5V ~ 5.5V	2.7V ~ 5.5V	4V ~ 28V	-
Series	VIPower™	-	VIPower™	*
Package / Case	PowerSO-10 Exposed Bottom Pad	16-SOIC (0.154", 3.90mm Width)	16-PowerLFSOP (0.154", 3.90mm Width)	-
Voltage - Supply (Vcc/Vdd)	-	Not Required	Not Required	-
Switch Type	General Purpose	General Purpose	General Purpose	-
Output Type	Bipolar	N-Channel	N-Channel	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Bulk
Fault Protection	Current Limiting (Fixed), Over Temperature	Current Limiting (Fixed), Over Temperature, UVLO	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO	-
Current - Output (Max)	9A	500mA	8A	-
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 85°C (TA)	-40°C ~ 150°C (TJ)	-
Base Product Number	VB525	TPS2044	VND7140	TND023
Input Type	Non-Inverting	Inverting	Non-Inverting	-
Supplier Device Package	10-PowerSO	16-SOIC	PowerSSO-16	-
Rds On (Typ)	-	80mOhm	140mOhm	-

VB525SPTR-E Datasheet PDF

Download VB525SPTR-E pdf datasheets and STMicroelectronics documentation for VB525SPTR-E - STMicroelectronics.

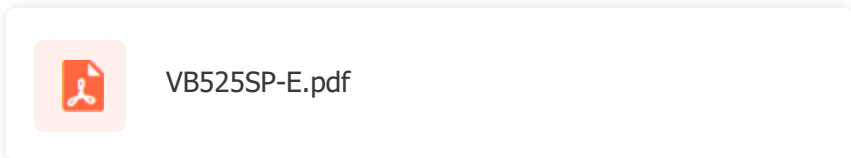
PCN Packaging

[Box Label Chg 28/Jul/2016.pdf](#)

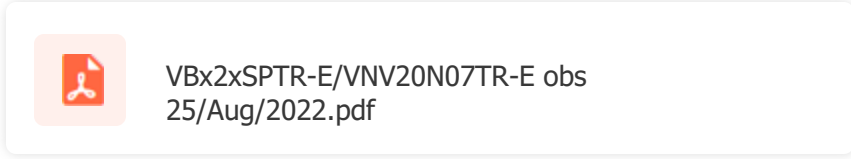
[Material Barrier Bag 17/Dec/2020.pdf](#)

PCN Assembly/Origin

[Mult Dev Assembly Chg 18/Oct/2019.pdf](#)






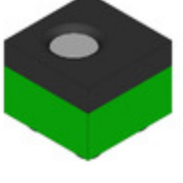
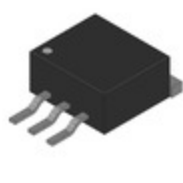



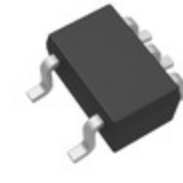









PCN Obsolescence/ EOL



Customers Also Interested in

Recommended Products

 TPS2044DR Texas Instruments IC PWR SWITCH N-CH 2X1:2 16SOIC	 VND7140AJTR-E STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO16	 TND023MP-AZ onsemi EXPD NCH 2A 60V	 VND600SPTR-E STMicroelectronics IC PWR DRIVER N-CHAN 1:1 PWRSSO10	 TPS2206IDFR Texas Instruments IC PWR SWITCH 3:4 30SSOP	 FPF1107 Fairchild Semiconductor BUFFER/INVERTER BASED PERIPHERAL
 BTS3028SDL Infineon Technologies BTS3028 - HITFET, AUTOMOTIVE SMA	 TPS2056DR Texas Instruments IC PWR SWITCH N-CHAN 1:2 8SOIC	 VB525SP STMicroelectronics IC PWR DRVR BIPOLAR 1:1 PWRSSO10	 MP6231DN-LF-Z Monolithic Power Systems Inc. IC PWR SWITCH 1:2 8SOIC	 TPS22943DCKR Texas Instruments IC PWR SWITCH P-CHAN 1:1 SC70-5	 TPL7407LADR Texas Instruments IC PWR DRIVER N-CHAN 1:1 16SOIC
 BTS500801EGAAUMA1 Infineon Technologies IC PWR SWITCH N-CHAN 1:1 DSO-12	 AUIPS1041R Infineon Technologies IC PWR SWITCH N-CHANNEL 1:1 DPAK	 TPS2044BDR Texas Instruments IC PWR SWITCH N-CH 2X1:2 16SOIC	 MIC2536-2YM-TR Microchip Technology IC PWR SWITCH N-CHAN 1:2 8SOIC	 MIC2505-1YM-TR Microchip Technology IC PWR SWITCH N-CHAN 1:1 8SOIC	 VND7N04TR-E STMicroelectronics IC PWR DRIVER N-CHANNEL 1:1 DPAK

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 -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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Certifications & Memberships



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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com

