



Image may be representation.
See specifications for product details.



VIPER16HDTR

Manufacturer Part Number	VIPER16HDTR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VIPER16HDTR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC OFFLINE SWITCH MULT TOP 16SO
Package	16-SOIC (0.154", 3.90mm Width)
Data sheet	VIPER16.pdf
RoHs Status	ROHS3 Compliant

[Get a Quote](#)

VIPER16HDTR - STMicroelectronics.New Original in Stock. Download Linear Technology VIPER16HDTR datasheet/specifications on AllelcoElec.com.
Request a quote for VIPER16HDTR, please send us email: info@allelco.com

Specifications

VIPER16HDTR Tech Specifications
VIPER16HDTR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Output Isolation	Either
Voltage - Supply (Vcc/Vdd)	11.5V ~ 23.5V	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Start Up	13 V	Mounting Type	Surface Mount
Voltage - Breakdown	800V	Internal Switch(s)	Yes
Topology	Buck, Buck-Boost, Flyback	Frequency - Switching	115kHz
Supplier Device Package	16-SO	Fault Protection	Current Limiting, Over Temperature
Series	VIPer™ plus	Duty Cycle	70%
Power (Watts)	10 W	Control Features	-
Package / Case	16-SOIC (0.154", 3.90mm Width)	Base Product Number	VIPER16
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VIPER16HDTR

Product Attribute				
Part Number	VIPER16HDTR	VIPER17HD	VIPER15LD	VIPER16HN
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Topology	Buck, Buck-Boost, Flyback	Flyback	Flyback	Buck, Buck-Boost, Flyback
Frequency - Switching	115kHz	115kHz	136kHz	115kHz
Output Isolation	Either	Isolated	Isolated	Either
Base Product Number	VIPER16	VIPER17	VIPER15	VIPER16
Supplier Device Package	16-SO	16-SO	16-SO	7-DIP
Internal Switch(s)	Yes	Yes	Yes	Yes
Package	Tape & Reel (TR)	Tube	Tube	Tube
Voltage - Start Up	13 V	14 V	14 V	13 V
Package / Case	16-SOIC (0.154", 3.90mm Width)	16-SOIC (0.154", 3.90mm Width)	16-SOIC (0.154", 3.90mm Width)	8-DIP (0.300", 7.62mm), 7 Leads
Control Features	-	-	-	-
Power (Watts)	10 W	10 W	10 W	10 W
Voltage - Supply (Vcc/Vdd)	11.5V ~ 23.5V	8.5V ~ 23.5V	8.5V ~ 23.5V	11.5V ~ 23.5V
Fault Protection	Current Limiting, Over Temperature	Current Limiting, Over Temperature, Over Voltage	Current Limiting, Over Temperature, Over Voltage	Current Limiting, Over Temperature
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Duty Cycle	70%	70%	-	70%
Series	VIPer™ plus	VIPer™ plus	VIPer™ plus	VIPer™ plus
Voltage - Breakdown	800V	800V	800V	800V

VIPER16HDTR Datasheet PDF

Download VIPER16HDTR pdf datasheets and STMicroelectronics documentation for VIPER16HDTR - STMicroelectronics.

PCN Packaging

Mult Dev Inner Pkg Chg 30/Oct/2019.pdf

Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin

2.73KHz.pdf

PCN Design/Specification

Cylindrical Battery Holders.pdf



VIPER16.pdf

Customers Also Interested in

Recommended Products

**VIPER17HD**STMicroelectronics
IC OFFLINE SWITCH FLYBACK 16SO**VIPER15LD**STMicroelectronics
IC OFFLINE SWITCH FLYBACK 16SO**VIPER15H**

STMicroelectronics

**VIPER16H**

STMicroelectronics

**VIPER16HN**STMicroelectronics
IC OFFLINE SWITCH MULT TOP 7DIP**VIPER16LD**STMicroelectronics
IC OFFLINE SWITCH MULT TOP 16SO**VIPER16HD**STMicroelectronics
IC OFFLINE SWITCH MULT TOP 16SO**VIPER17H**

STMicroelectronics

**VIPER15HN**STMicroelectronics
IC OFFLINE SWITCH FLYBACK 7DIP**VIPER17HN**STMicroelectronics
IC OFFLINE SWITCH FLYBACK 8DIP**VIPER16L**

STMicroelectronics

**VIPER17HDTR**STMicroelectronics
IC OFFLINE SWITCH FLYBACK 16SO**VIPER16LDTR**STMicroelectronics
IC OFFLINE SWITCH MULT TOP 16SO**VIPER15LDTR**STMicroelectronics
IC OFFLINE SWITCH FLYBACK 16SO**VIPER15LN**STMicroelectronics
IC OFFLINE SWITCH FLYBACK 7DIP**VIPER15L**

STMicroelectronics

**VIPER16LN**STMicroelectronics
IC OFFLINE SWITCH MULT TOP 7DIP**VIPER12ASTR-E**STMicroelectronics
IC OFFLINE SWITCH 8SOIC

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

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



[View More](#)

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