



Image may be representation.  
See specifications for product details.



## ESM6045AV

Manufacturer Part Number	<b>ESM6045AV</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-ESM6045AV
ECAD Model	Request Free CAD Models
Parts Description	TRANS NPN DARL 450V 72A ISOTOP
Package	ISOTOP
Data sheet	<b>ESM6045AV.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ESM6045AV - STMicroelectronics.New Original in Stock. Download Linear Technology ESM6045AV datasheet/specifications on AllelcoElec.com.  
Request a quote for ESM6045AV, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ESM6045AV Tech Specifications  
ESM6045AV - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tube
Voltage - Collector Emitter Breakdown (Max)	450 V	Operating Temperature	150°C (TJ)
Vce Saturation (Max) @ Ib, Ic	1.3V @ 2.4A, 60A	Mounting Type	Chassis Mount
Transistor Type	NPN - Darlington	Frequency - Transition	-
Supplier Device Package	ISOTOP®	DC Current Gain (hFE) (Min) @ Ic, Vce	150 @ 60A, 5V
Series	-	Current - Collector Cutoff (Max)	-
Power - Max	250 W	Current - Collector (Ic) (Max)	72 A
Package / Case	ISOTOP	Base Product Number	ESM6045

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics ESM6045AV

Product Attribute				
Part Number	ESM6045AV	ESM4045DV	ESM6045DV	ESM5045DV
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
DC Current Gain (hFE) (Min) @ Ic, Vce	150 @ 60A, 5V	220 @ 35A, 5V	120 @ 70A, 5V	150 @ 50A, 5V
Frequency - Transition	-	-	-	-
Vce Saturation (Max) @ Ib, Ic	1.3V @ 2.4A, 60A	1.4V @ 2A, 35A	1.35V @ 4A, 70A	1.4V @ 2.8A, 50A
Supplier Device Package	ISOTOP®	ISOTOP®	ISOTOP®	ISOTOP®
Package / Case	ISOTOP	ISOTOP	ISOTOP	ISOTOP
Transistor Type	NPN - Darlington	NPN - Darlington	NPN - Darlington	NPN - Darlington
Current - Collector (Ic) (Max)	72 A	42 A	84 A	60 A
Mounting Type	Chassis Mount	Chassis Mount	Chassis Mount	Chassis Mount
Base Product Number	ESM6045	ESM4045	ESM6045	ESM5045
Power - Max	250 W	150 W	250 W	175 W
Series	-	-	-	-
Voltage - Collector Emitter Breakdown (Max)	450 V	450 V	450 V	450 V
Package	Tube	Tube	Tube	Tube
Operating Temperature	150°C (TJ)	150°C (TJ)	150°C (TJ)	150°C (TJ)
Current - Collector Cutoff (Max)	-	-	-	-

### ESM6045AV Datasheet PDF

Download ESM6045AV pdf datasheets and STMicroelectronics documentation for ESM6045AV - STMicroelectronics.

#### Datasheets

[ESM6045AV.pdf](#)

### Customers Also Interested in

#### Recommended Products



**ESM6235**  
Qualcomm



**ESM5045DF**  
STMicroelectronics  
IGBT Module



**ESM3807**  
STMicroelectronics  
IGBT Module



**ESM5045AV**  
STMicroelectronics  
IGBT Module



**ESM4045DF**  
STMicroelectronics  
IGBT Module



**ESM748**  
STMicroelectronics  
IGBT Module



**ESM4045DV**

STMicroelectronics  
TRANS NPN DARL 450V 42A ISOTOP



**ESM7206A**

QUALCOM



**ESM6045DF**

STMicroelectronics  
IGBT Module



**ESM6045V**

STMicroelectronics  
IGBT Module



**ESM5050DV**

STMicroelectronics  
IGBT Module



**ESM6045DV**

STMicroelectronics  
TRANS NPN DARL 450V 84A ISOTOP



**ESM7227**

Qualcomm



**ESM4045AV**

STMicroelectronics  
IGBT Module



**ESM6270**

Qualcomm



**ESM4045AF**

STMicroelectronics  
IGBT Module



**ESM6045VA**

STMicroelectronics  
IGBT Module



**ESM5045DV**

STMicroelectronics  
TRANS NPN DARL 450V 60A ISOTOP

## 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  
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## Certifications & Memberships



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