





# SUM70N04-07L-E3

Manufacturer Part Number	<b>SUM70N04-07L-E3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-SUM70N04-07L-E3
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 40V 70A TO263
Package	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Data sheet	<b><a href="#">SUM70N04-07L.pdf</a></b>
RoHs Status	 ROHS3 Compliant



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SUM70N04-07L-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SUM70N04-07L-E3 datasheet/specifications on AllelcoElec.com.  
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## Specifications





SUM70N04-07L-E3 Tech Specifications

SUM70N04-07L-E3 - Vishay Siliconix technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay / Siliconix	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2800 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	75 nC @ 10 V
Supplier Device Package	TO-263 (D <sup>2</sup> Pak)	FET Type	N-Channel
Series	TrenchFET®	FET Feature	-
Rds On (Max) @ Id, Vgs	7.4mOhm @ 30A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.75W (Ta), 100W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	70A (Tc)
Package	Tape & Reel (TR)	Base Product Number	SUM70

## Parts with Similar Specifications


The three parts on the right have similar specifications to Vishay Siliconix SUM70N04-07L-E3

Product Attribute	 NO PICTURE			
Part Number	SUM70N04-07L-E3	<a href="#">SUM70090E-GE3</a>	<a href="#">SUM70060E-GE3</a>	<a href="#">SUM70040E-GE3</a>
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	40 V	100 V	100 V	100 V
Input Capacitance (Ciss) (Max) @ Vds	2800 pF @ 25 V	1950 pF @ 50 V	3330 pF @ 50 V	5100 pF @ 50 V
Supplier Device Package	TO-263 (D <sup>2</sup> Pak)	TO-263 (D <sup>2</sup> Pak)	TO-263 (D <sup>2</sup> Pak)	TO-263 (D <sup>2</sup> Pak)
Vgs(th) (Max) @ Id	3V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
Rds On (Max) @ Id, Vgs	7.4mOhm @ 30A, 10V	8.9mOhm @ 20A, 10V	5.6mOhm @ 30A, 10V	4mOhm @ 20A, 10V
Gate Charge (Qg) (Max) @ Vgs	75 nC @ 10 V	50 nC @ 10 V	81 nC @ 10 V	120 nC @ 10 V
Vgs (Max)	±20V	±20V	±20V	±20V
Base Product Number	SUM70	SUM70090	SUM70060	SUM70040
Power Dissipation (Max)	3.75W (Ta), 100W (Tc)	125W (Tc)	375W (Tc)	375W (Tc)
FET Feature	-	-	-	-
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Series	TrenchFET®	ThunderFET®	ThunderFET®	TrenchFET®
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	7.5V, 10V	7.5V, 10V	7.5V, 10V
Current - Continuous Drain (Id) @ 25°C	70A (Tc)	50A (Tc)	131A (Tc)	120A (Tc)


## SUM70N04-07L-E3 Datasheet PDF

Download SUM70N04-07L-E3 pdf datasheets and Vishay Siliconix documentation for SUM70N04-07L-E3 - Vishay Siliconix.

### Datasheets

 <a href="#">SUM70N04-07L.pdf</a>
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### PCN Assembly/Origin



















 <a href="#">Assembly Site Add 9/Jun/2016.pdf</a>
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### PCN Obsolescence/ EOL

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## Customers Also Interested in

### Recommended Products

 <b>SUM70090E-GE3</b> Vishay Siliconix MOSFET N-CH 100V 50A TO263	 <b>SUM70N04-07</b> VBSEMI	 <b>SUM75N04-05L</b> Electro-Films (EFI) / Vishay	 <b>SUM70060E-GE3</b> Vishay Siliconix MOSFET N-CH 100V 131A TO263	 <b>SUM74HC138</b> SUM	 <b>SUM70N06-11 MOS</b> Electro-Films (EFI) / Vishay
 <b>SUM70040E-GE3</b> Vishay Siliconix MOSFET N-CH 100V 120A TO263	 <b>SUM70N04-07L</b> Electro-Films (EFI) / Vishay	 <b>SUM70N03-09CP-E3</b> Vishay Siliconix MOSFET N-CH 30V 70A TO263	 <b>SUM70101EL</b> VIS	 <b>SUM70N03-09CP</b> Electro-Films (EFI) / Vishay	 <b>SUM75N06-09L-E3</b> Vishay Siliconix MOSFET N-CH 60V 90A D2PAK
 <b>SUM75N04-07L MOS</b> Electro-Films (EFI) / Vishay	 <b>SUM74HC245T</b> SUM	 <b>SUM70N03-09CP MOS</b> Electro-Films (EFI) / Vishay	 <b>SUM75N04-05L-E3</b> Electro-Films (EFI) / Vishay	 <b>SUM70101EL-GE3</b> Vishay Siliconix MOSFET P-CH 100V 120A TO263	 <b>SUM75N06-09L</b> Electro-Films (EFI) / Vishay

## 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.



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