

Image may be representation.
See specifications for product details.

MJB5742T4G

Manufacturer Part Number	MJB5742T4G
Manufacturer	onsemi
Allelco Part Number	32D-MJB5742T4G
ECAD Model	PCB Footprint and Symbol
Parts Description	TRANS NPN DARL 400V 8A D2PAK
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	MJB5742T4G.pdf
RoHs Status	ROHS3 Compliant

Get a Quote



MJB5742T4G - onsemi.New Original in Stock. Download Linear Technology MJB5742T4G datasheet/specifications on AllelcoElec.com.
Request a quote for MJB5742T4G, please send us email: info@allelco.com

Specifications

MJB5742T4G Tech Specifications
MJB5742T4G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package	Tape & Reel (TR)
Voltage - Collector Emitter Breakdown (Max)	400 V	Operating Temperature	-65°C ~ 150°C (TJ)
Vce Saturation (Max) @ Ib, Ic	3V @ 400mA, 8A	Mounting Type	Surface Mount
Transistor Type	NPN - Darlington	Frequency - Transition	-
Supplier Device Package	D ² PAK	DC Current Gain (hFE) (Min) @ Ic, Vce	200 @ 4A, 5V
Series	-	Current - Collector Cutoff (Max)	-
Power - Max	100 W	Current - Collector (Ic) (Max)	8 A
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Base Product Number	MJB5742

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi MJB5742T4G

Product Attribute				
Part Number	MJB5742T4G	MJB41CT4G	MJB44H11G	MJB44H11T4-A
Manufacturer	onsemi	onsemi	onsemi	STMicroelectronics
Voltage - Collector Emitter Breakdown (Max)	400 V	100 V	80 V	80 V
Operating Temperature	-65°C ~ 150°C (TJ)	-65°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	150°C (TJ)
Supplier Device Package	D ² PAK	D ² PAK	D ² PAK	D ² PAK
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Series	-	-	-	Automotive, AEC-Q101
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
DC Current Gain (hFE) (Min) @ Ic, Vce	200 @ 4A, 5V	15 @ 3A, 4V	40 @ 4A, 1V	40 @ 4A, 1V
Vce Saturation (Max) @ Ib, Ic	3V @ 400mA, 8A	1.5V @ 600mA, 6A	1V @ 400mA, 8A	1V @ 400mA, 8A
Transistor Type	NPN - Darlington	NPN	NPN	NPN
Base Product Number	MJB5742	MJB41	MJB44	MJB44
Frequency - Transition	-	3MHz	50MHz	-
Current - Collector (Ic) (Max)	8 A	6 A	10 A	10 A
Current - Collector Cutoff (Max)	-	700µA	10µA	10µA
Power - Max	100 W	2 W	2 W	50 W
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB

MJB5742T4G Datasheet PDF

Download MJB5742T4G pdf datasheets and onsemi documentation for MJB5742T4G - onsemi.

Datasheets

MJB5742T4G.pdf

Environmental Information

onsemi REACH.pdf

onsemi RoHS.pdf

PCN Design/Specification

Cancellation 13/Aug/2020.pdf











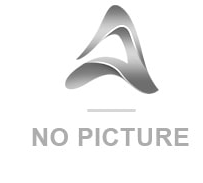






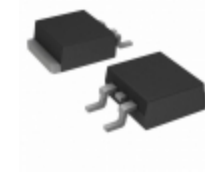
Mult Devices 14/Jul/2019.pdf

PCN Assembly/Origin

Mult Dev 14/Dec/2022.pdf

Customers Also Interested in

Recommended Products

					
MJB41CT4G onsemi TRANS NPN 100V 6A D2PAK	MJB44H11G onsemi TRANS NPN 80V 10A D2PAK	MJB44H11T4-A STMicroelectronics TRANS NPN 80V 10A D2PAK	KSB1366GTU onsemi TRANS PNP 60V 3A TO220F-3	MJB42C AMI Semiconductor/onsemi	MJB41CG onsemi TRANS NPN 100V 6A D2PAK
					
NSV1C201MZ4T1G onsemi TRANS NPN 100V 2A SOT223	MJB42CT4G onsemi TRANS PNP 100V 6A D2PAK	MJB44H11TG Fairchild (onsemi)	MJB44H11 onsemi TRANS NPN 80V 10A D2PAK	MPSA20 NTE Electronics, Inc TRANS NPN 40V 0.1A TO92	MJB42CG AMI Semiconductor/onsemi
					
MJB44H11T4G onsemi TRANS NPN 80V 10A D2PAK	MMJT9435T3 onsemi TRANS PNP 30V 3A SOT223	MJB44H11T4 STMicroelectronics TRANS NPN 80V 10A D2PAK	BUXD87T4 STMicroelectronics TRANS NPN 450V 0.5A DPAK	MJB45H11T4G onsemi TRANS PNP 80V 10A D2PAK	MJB45H11 onsemi TRANS PNP 80V 10A D2PAK

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.

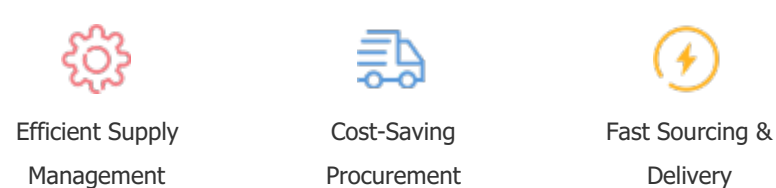
Payment Support

The payment method can be chosen from the methods shown below:

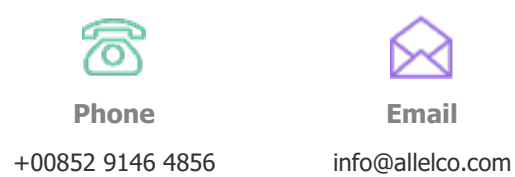
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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