



Image may be representation.
See specifications for product details.



BDX54CG

Manufacturer Part Number	BDX54CG
Manufacturer	onsemi
Allelco Part Number	32D-BDX54CG
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	TRANS PNP DARL 100V 8A TO220
Package	TO-220-3
Data sheet	BDX(53,54)B,C.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

BDX54CG - onsemi.New Original in Stock. Download Linear Technology BDX54CG datasheet/specifications on AllelcoElec.com.
Request a quote for BDX54CG, please send us email: info@allelco.com

Specifications

BDX54CG Tech Specifications
BDX54CG - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package	Tube
Voltage - Collector Emitter Breakdown (Max)	100 V	Operating Temperature	-65°C ~ 150°C (TJ)
Vce Saturation (Max) @ Ib, Ic	2V @ 12mA, 3A	Mounting Type	Through Hole
Transistor Type	PNP - Darlington	Frequency - Transition	-
Supplier Device Package	TO-220	DC Current Gain (hFE) (Min) @ Ic, Vce	750 @ 3A, 3V
Series	-	Current - Collector Cutoff (Max)	500µA
Power - Max	65 W	Current - Collector (Ic) (Max)	8 A
Package / Case	TO-220-3	Base Product Number	BDX54

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi BDX54CG

Product Attribute				
Part Number	BDX54CG	BDX54BG	BDX54-S	BDX54C
Manufacturer	onsemi	onsemi	Bourns Inc.	STMicroelectronics
DC Current Gain (hFE) (Min) @ Ic, Vce	750 @ 3A, 3V	750 @ 3A, 3V	750 @ 3A, 3V	750 @ 3A, 3V
Power - Max	65 W	65 W	2 W	60 W
Series	-	-	-	-
Current - Collector Cutoff (Max)	500µA	500µA	500µA	500µA
Frequency - Transition	-	-	-	-
Transistor Type	PNP - Darlington	PNP - Darlington	PNP - Darlington	PNP - Darlington
Operating Temperature	-65°C ~ 150°C (TJ)	-65°C ~ 150°C (TJ)	-65°C ~ 150°C (TJ)	150°C (TJ)
Package	Tube	Tube	Tube	Tube
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Current - Collector (Ic) (Max)	8 A	8 A	8 A	8 A
Base Product Number	BDX54	BDX54	BDX54	BDX54
Vce Saturation (Max) @ Ib, Ic	2V @ 12mA, 3A	2V @ 12mA, 3A	2V @ 12mA, 3A	2V @ 12mA, 3A
Supplier Device Package	TO-220	TO-220	TO-220	TO-220
Voltage - Collector Emitter Breakdown (Max)	100 V	80 V	45 V	100 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole

BDX54CG Datasheet PDF

Download BDX54CG pdf datasheets and onsemi documentation for BDX54CG - onsemi.

Datasheets

[BDX\(53,54\)B,C.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Design/Specification

[TO-220 Case Outline Update 18/Sep/2014.pdf](#)

PCN Obsolescence/ EOL



















[Mult Dev EOL 08/Jul/2021.pdf](#)

PCN Assembly/Origin

[\[Link\]](#)

Customers Also Interested in

Recommended Products

 BDX54BG onsemi TRANS PNP DARL 80V 8A TO220	 BDX54-S Bourns Inc. TRANS PNP DARL 45V 8A TO220	 BDX63B LUMILEDS	 BDX54C STMicroelectronics TRANS PNP DARL 100V 8A TO220	 BDX64C MOSPEC	 BDX63A
 BDX53F STMicroelectronics	 BDX54F STMicroelectronics	 BDX54AFI STMicroelectronics	 BDX63C AMI Semiconductor/onsemi	 BDX54CTU onsemi TRANS PNP DARL 100V 8A TO220-3	 BDX54C Fairchild Semiconductor TRANS PNP DARL 100V 8A TO220-3
 BDX54C onsemi TRANS PNP DARL 100V 8A TO220	 BDX54A STMicroelectronics	 BDX54B STMicroelectronics TRANS PNP DARL 80V 8A TO220	 BDX66B AMI Semiconductor/onsemi	 BDX66C	 BDX53TU onsemi TRANS NPN DARL 45V 8A TO220-3

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.

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Certifications & Memberships



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Contact us

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