



Image may be representation.
See specifications for product details.



SBR80520LT1G

Manufacturer Part Number	SBR80520LT1G
Manufacturer	onsemi
Allelco Part Number	32D-SBR80520LT1G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE SCHOTTKY 20V 500MA SOD123
Package	SOD-123
Data sheet	MBR0520LT1, T3.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SBR80520LT1G - onsemi.New Original in Stock. Download Linear Technology SBR80520LT1G datasheet/specifications on AllelcoElec.com.
Request a quote for SBR80520LT1G, please send us email: info@allelco.com

Specifications

SBR80520LT1G Tech Specifications
SBR80520LT1G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	385 mV @ 500 mA	Operating Temperature - Junction	-65°C ~ 125°C
Voltage - DC Reverse (Vr) (Max)	20 V	Mounting Type	Surface Mount
Technology	Schottky	Current - Reverse Leakage @ Vr	250 µA @ 20 V
Supplier Device Package	SOD-123	Current - Average Rectified (Io)	500mA
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Capacitance @ Vr, F	-
Series	-	Base Product Number	SBR80520
Package / Case	SOD-123		

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi SBR80520LT1G

Product Attribute				
Part Number	SBR80520LT1G	SBR8060	SBR8050R	SBR8060R
Manufacturer	onsemi	Microchip Technology	Microchip Technology	Microchip Technology
Package / Case	SOD-123	DO-203AB, DO-5, Stud	DO-203AB, DO-5, Stud	DO-203AB, DO-5, Stud
Voltage - DC Reverse (Vr) (Max)	20 V	60 V	50 V	60 V
Operating Temperature - Junction	-65°C ~ 125°C	-55°C ~ 175°C	-65°C ~ 175°C	-55°C ~ 175°C
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Mounting Type	Surface Mount	Stud Mount	Stud Mount	Stud Mount
Voltage - Forward (Vf) (Max) @ If	385 mV @ 500 mA	770 mV @ 80 A	740 mV @ 80 A	770 mV @ 80 A
Technology	Schottky	Schottky	Schottky	Schottky
Current - Reverse Leakage @ Vr	250 µA @ 20 V	-	-	-
Base Product Number	SBR80520	-	-	-
Current - Average Rectified (Io)	500mA	80A	80A	80A
Capacitance @ Vr, F	-	2000pF @ 5V, 1MHz	-	2000pF @ 5V, 1MHz
Package	Tape & Reel (TR)	Bulk	Bulk	Bulk
Series	-	-	-	-
Supplier Device Package	SOD-123	DO-5 (DO-203AB)	DO-5 (DO-203AB)	DO-5 (DO-203AB)

SBR80520LT1G Datasheet PDF

Download SBR80520LT1G pdf datasheets and onsemi documentation for SBR80520LT1G - onsemi.

Datasheets

[MBR0520LT1, T3.pdf](#)

Environmental Information

[onsemi RoHS.pdf](#)

PCN Packaging

[Covering Tape/Material Chg 20/May/2016.pdf](#)

[Covering Tape/Material Update 2/Feb/2017.pdf](#)

PCN Design/Specification

[Update 05/Oct/2020.pdf](#)



















[NRVB/SBR80520LT 08/May/2017.pdf](#)

PCN Assembly/Origin

[Mold Compound 10/Nov/2021.pdf](#)

Customers Also Interested in

Recommended Products

					
SBR8060 Microchip Technology DIODE SCHOTTKY 60V 80A DO5	SBR7045R Microsemi IGBT Module	SBR7035R Microsemi IGBT Module	SBR8050R Microchip Technology DIODE SCHOTTKY 50V 80A DO5	SBR8060R Microchip Technology DIODE SCHOTTKY 60V 80A DO5	SBR8215 Microsemi Corporation DIODE SCHOTTKY 15V 80A DO5
					
SBR8050 Microchip Technology DIODE SCHOTTKY 80A 50V DO5	SBR8035 Microchip Technology DIODE SCHOTTKY 35V 85A DO203AB	SBR8045R Microchip Technology DIODE SCHOTTKY 45V 80A DO5	SBR80520LT3G onsemi DIODE SCHOTTKY 20V 500MA SOD123	SBR860 LRC	SBR8A45SP5-13 Diodes Incorporated DIODE SBR 45V 8A POWERD15
					
SBR8215R Microsemi IGBT Module	SBR8A60P5-13 Diodes Incorporated DIODE SBR 60V 8A POWERD15	SBR8040R Microchip Technology DIODE SCHOTTKY 40V 80A DO5	SBR8040 Microchip Technology DIODE SCHOTTKY 40V 80A DO5	SBR8045 Microchip Technology DIODE SCHOTTKY 45V 80A DO5	SBR7045 Microsemi IGBT Module

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.

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Certifications & Memberships



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