

Image may be representation.
See specifications for product details.

BVSS138LT1G

Manufacturer Part Number	BVSS138LT1G
Manufacturer	onsemi
Allelco Part Number	32D-BVSS138LT1G
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 50V 200MA SOT23-3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	BSS138LT1 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote



BVSS138LT1G - onsemi.New Original in Stock. Download Linear Technology BVSS138LT1G datasheet/specifications on AllelcoElec.com.
Request a quote for BVSS138LT1G, please send us email: info@allelco.com

Specifications

BVSS138LT1G Tech Specifications

BVSS138LT1G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	1.5V @ 1mA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	50 pF @ 25 V
Technology	MOSFET (Metal Oxide)	FET Type	N-Channel
Supplier Device Package	SOT-23-3 (TO-236)	FET Feature	-
Series	-	Drive Voltage (Max Rds On, Min Rds On)	5V
Rds On (Max) @ Id, Vgs	3.50hm @ 200mA, 5V	Drain to Source Voltage (Vdss)	50 V
Power Dissipation (Max)	225mW (Ta)	Current - Continuous Drain (Id) @ 25°C	200mA (Ta)
Package / Case	TO-236-3, SC-59, SOT-23-3	Base Product Number	BVSS138
Package	Tape & Reel (TR)		

Parts with Similar Specifications

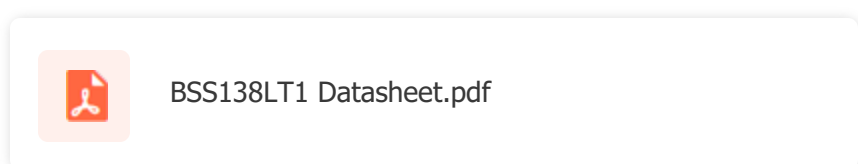
The three parts on the right have similar specifications to onsemi BVSS138LT1G

Product Attribute				
Part Number	BVSS138LT1G	BVSS84LT1G	IXTQ96N20P	APT47N60BC3G
Manufacturer	onsemi	onsemi	IXYS	Microchip Technology
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Through Hole	Through Hole
FET Feature	-	-	-	-
Base Product Number	BVSS138	BVSS84	IXTQ96	APT47N60
Vgs (Max)	±20V	±20V	±20V	±20V
FET Type	N-Channel	P-Channel	N-Channel	N-Channel
Drive Voltage (Max Rds On, Min Rds On)	5V	5V	10V	10V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tube
Series	-	Automotive, AEC-Q101	Polar	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Power Dissipation (Max)	225mW (Ta)	225mW (Ta)	600W (Tc)	417W (Tc)
Current - Continuous Drain (Id) @ 25°C	200mA (Ta)	130mA (Ta)	96A (Tc)	47A (Tc)
Drain to Source Voltage (Vdss)	50 V	50 V	200 V	600 V
Input Capacitance (Ciss) (Max) @ Vds	50 pF @ 25 V	36 pF @ 5 V	4800 pF @ 25 V	7015 pF @ 25 V
Rds On (Max) @ Id, Vgs	3.50hm @ 200mA, 5V	100hm @ 100mA, 5V	24mOhm @ 500mA, 10V	70mOhm @ 30A, 10V
Vgs(th) (Max) @ Id	1.5V @ 1mA	2V @ 250µA	5V @ 250µA	3.9V @ 2.7mA
Package / Case	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-3P-3, SC-65-3	TO-247-3
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	TO-3P	TO-247 [B]

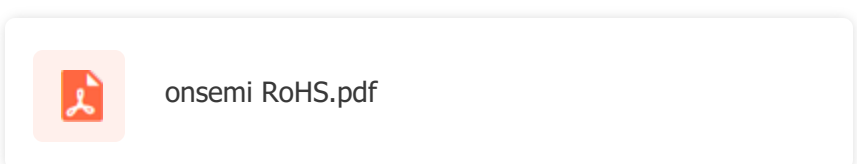
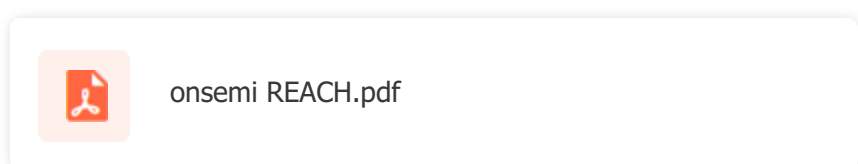
BVSS138LT1G Datasheet PDF

Download BVSS138LT1G pdf datasheets and onsemi documentation for BVSS138LT1G - onsemi.

Datasheets



Environmental Information





















PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

					
BVSS84LT1G onsemi MOSFET P-CH 50V 130MA SOT23-3	IXTQ96N20P IXYS MOSFET N-CH 200V 96A TO3P	APT47N60BC3G Microchip Technology MOSFET N-CH 600V 47A TO247	BVS-M-R0005-5.0 Isabellenhuetten USA RES 0.0005 OHM 5% 9W 3920	BVS-M-R001-1.0 Isabellenhuetten USA RESISTOR - ISA-WELD SHUNT, 0.001	FK3306010L Nuvoton Technology Corporation TMOS-GENERAL SWITCHING
					
BVS-A-R003-5.0 Isabellenhuetten USA RES 0.003 OHM 5% 5W 3920	BVS-A-R003-1.0 Isabellenhuetten USA RES 0.003 OHM 1% 5W 3920	FQD2N50TF onsemi MOSFET N-CH 500V 1.6A DPAK	AON6284A Alpha & Omega Semiconductor Inc. MOSFET N-CHANNEL 80V 48A 8DFN	BVS-A-R001-1.0 Isabellenhuetten USA RESISTOR - ISA-WELD SHUNT, 0.001	BVS-Z-R0002-1.0 Isabellenhuetten USA RES 0.0002 OHM 1% 12W 3920
					
AO4292E Alpha & Omega Semiconductor Inc. MOSFET N-CH 100V 8A 8SOIC	BVSS123LT1G onsemi MOSFET N-CH 100V 170MA SOT23-3	IXTA76N25T IXYS MOSFET N-CH 250V 76A TO263	BVS-M-R0003-1.0 Isabellenhuetten USA RES 0.0003 OHM 1% 10W 3920	BVS-A-R002-1.0 Isabellenhuetten USA RESISTOR - ISA-WELD SHUNT, 0.002	BVS-M-R0005-1.0 Isabellenhuetten USA RESISTOR - ISA-WELD SHUNT, 0.000

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

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@allelco.com