

## BC848BLT3G

#### **BC848BLT3G Information**

Part Number	BC848BLT3G
Manufacturer	ON Semiconductor
Category	Discrete Semiconductor Products Transistors - Bipolar (BJT) - Single
Description	TRANS NPN 30V 0.1A SOT-23
Package	TO-236-3, SC-59, SOT-23-3
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## **Certified Quality**

For Reference Only

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



## **BC848BLT3G Specifications**

Manufacturer Part NumberBC848BLT3GManufacturerON SemiconductorCategoryDiscrete Semiconductor ProductsTransistor - Bipolar (BJT) - SinglePackageTo-236-3, SC-59, SOT-23-3Series-Transistor TypeNPNCurrent - Collector (L) (Max)100mAVoltage - Collector Emitter Breakdown (Max)30VVce Saturation (Max) @ Ib, Ic600mV @ 5mA, 100mACurrent - Collector Cutoff (Max)15nA (ICBO)DC current Gain (hFE) (Min) @ Le, Vce200 @ 2mA, SVPower - Max300mWFrequency - Transition100MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTo-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3 (TO-236)		
CategoryDiscrete Semiconductor ProductsTransistors - Bipolar (BJT) - SinglePackageTO-236-3, SC-59, SOT-23-3Series-Transistor TypeNPNCurrent - Collector (Ic) (Max)100mAVoltage - Collector Emitter Breakdown (Max)30VVce Saturation (Max) @ Ib, Ic600mV @ 5mA, 100mACurrent - Collector Cutoff (Max)15nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce200 @ 2mA, 5VPower - Max300mWFrequency - Transiton100MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSUT-23-3 (TO-236)	Manufacturer Part Number	BC848BLT3G
Transistors - Bipolar (BJT) - SinglePackageTO-236-3, SC-59, SOT-23-3Series-Transistor TypeNPNCurrent - Collector (Ic) (Max)100mAVoltage - Collector Emitter Breakdown (Max)30VVce Saturation (Max) @ Ib, Ic600mV @ 5mA, 100mACurrent - Collector Cutoff (Max)15nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce200 @ 2mA, 5VPower - Max30mWFrequency - Transition100MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3 (TO-236)	Manufacturer	ON Semiconductor
Package   TO-236-3, SC-59, SOT-23-3     Series   -     Transistor Type   NPN     Current - Collector (Ic) (Max)   100mA     Voltage - Collector Emitter Breakdown (Max)   30V     Vce Saturation (Max) @ Ib, Ic   600mV @ 5mA, 100mA     Current - Collector Cutoff (Max)   15nA (ICBO)     DC Current Gain (hFE) (Min) @ Ic, Vce   200 @ 2mA, 5V     Power - Max   300mW     Frequency - Transition   100MHz     Operating Temperature   -55°C ~ 150°C (TJ)     Mounting Type   Surface Mount     Package / Case   TO-236-3, SC-59, SOT-23-3     Supplier Device Package   SOT-23-3 (TO-236)	Category	Discrete Semiconductor Products
Series-StriesNPNCurrent - Collector (Lo) (Max)100mAVoltage - Collector Emitter Breakdown (Max)30VVce Saturation (Max) @ Ib, Ic600mV @ 5mA, 100mACurrent - Collector Cutoff (Max)15nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce200 @ 2mA, 5VPower - Max300mWFrequency - Transition100MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-2363, SC - 59, SOT - 23-3Supplier Device PackageSOT - 23-3 (TO - 236)		Transistors - Bipolar (BJT) - Single
Transistor TypeNPNCurrent - Collector (Lo) (Max)100mAVoltage - Collector Emitter Breakdown (Max)30VVotage - Collector Emitter Breakdown (Max)600mV @ 5mA, 100mAVce Saturation (Max) @ Ib, Ic600mV @ 5mA, 100mACurrent - Collector Cutoff (Max)15nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce200 @ 2mA, 5VPower - Max300mWFrequency - Transition100MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSot-23-3 (TO-236)	Package	TO-236-3, SC-59, SOT-23-3
Current - Collector (Ic) (Max)100mAVoltage - Collector Emitter Breakdown (Max)30VVce Saturation (Max) @ Ib, Ic600mV @ 5mA, 100mACurrent - Collector Cutoff (Max)15nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce200 @ 2mA, 5VPower - Max300mWFrequency - Transition100MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3 (TO-236)	Series	-
Voltage - Collector Emitter Breakdown (Max)30VVce Saturation (Max) @ lb, Ic600mV @ 5mA, 100mACurrent - Collector Cutoff (Max)15nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce200 @ 2mA, 5VPower - Max300mWFrequency - Transition100MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3 (TO-236)	Transistor Type	NPN
Vce Saturation (Max) @ Ib, Ic   600mV @ 5mA, 100mA     Current - Collector Cutoff (Max)   15nA (ICBO)     DC Current Gain (hFE) (Min) @ Ic, Vce   200 @ 2mA, 5V     Power - Max   300mW     Frequency - Transition   100MHz     Operating Temperature   -55°C ~ 150°C (TJ)     Mounting Type   Surface Mount     Package / Case   TO-236-3, SC-59, SOT-23-3     Supplier Device Package   SOT-23-3 (TO-236)	Current - Collector (Ic) (Max)	100mA
Current - Collector Cutoff (Max)15nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce200 @ 2mA, 5VPower - Max300mWFrequency - Transition100MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3 (TO-236)	Voltage - Collector Emitter Breakdown (Max)	30V
DC Current Gain (hFE) (Min) @ Ic, Vce 200 @ 2mA, 5V   Power - Max 300mW   Frequency - Transition 100MHz   Operating Temperature -55°C ~ 150°C (TJ)   Mounting Type Surface Mount   Package / Case TO-236-3, SC-59, SOT-23-3   Supplier Device Package SOT-23-3 (TO-236)	Vce Saturation (Max) @ Ib, Ic	600mV @ 5mA, 100mA
Power - Max300mWFrequency - Transition100MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3 (TO-236)	Current - Collector Cutoff (Max)	15nA (ICBO)
Frequency - Transition100MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3 (TO-236)	DC Current Gain (hFE) (Min) @ Ic, Vce	200 @ 2mA, 5V
Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3 (TO-236)	Power - Max	300mW
Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3 (TO-236)	Frequency - Transition	100MHz
Package / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3 (TO-236)	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device PackageSOT-23-3 (TO-236)	Mounting Type	Surface Mount
	Package / Case	TO-236-3, SC-59, SOT-23-3
Report errors?	Supplier Device Package	SOT-23-3 (TO-236)
*		Report errors?

#### **BC848BLT3G Guarantees**



Quality Guarantees

We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

# SERVICE BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

## **BC848BLT3G Payment Methods**



### **BC848BLT3G Shipping Methods**



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