

BUL138

BUL138 Information



Part Number	BUL138	
Manufacturer	STMicroelectronics	
Category	Discrete Semiconductor Products Transistors - Bipolar (BJT) - Single	
Description	TRANS NPN 400V 5A TO-220	
Package	TO-220-3	
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com	
	E-mail: salesdept@heisener.com	



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For Reference Only

Certified Quality

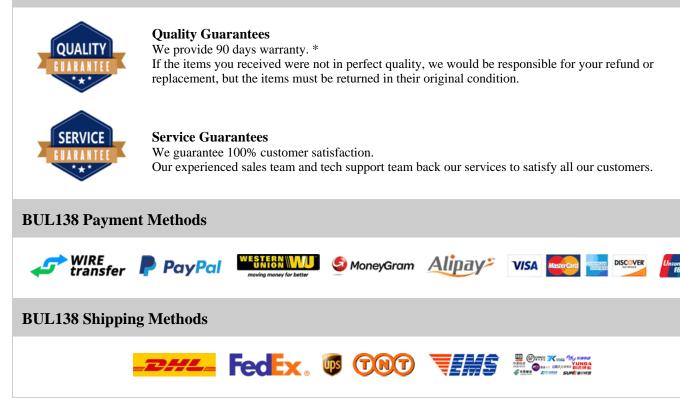
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BUL138 Specifications

Manufacturer Part NumberBUL138ManufacturerSTMicroelectronicsCategoryDiscrete Semiconductor ProductsTransistors - Bipolar (BJT) - SinglePackageTO-220-3Series-Transistor TypeNPNCurrent - Collector (Ic) (Max)5AVoltage - Collector Emitter Breakdown (Max)400VVce Saturation (Max) @ Ib, Ic700mV @ 1A, 5ACurrent - Collector Cutoff (Max)250µADC Current Gain (hFE) (Min) @ Ic, Vce8 @ 2A, 5VPower - Max80WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough HoleDarkame (CaseTO-220.3		
CategoryDiscrete Semiconductor ProductsTransistors - Bipolar (BJT) - SinglePackageTo-220-3Series-Transistor TypeNPNCurrent - Collector (Lo (Max)5AVoltage - Collector Emitter Breakdown (Max)400VVec Saturation (Max) @ Ib, Ic700mV @ 1A, 5ACurrent - Collector Cutoff (Max)80 @ 2A, 5VPower - Max80WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Manufacturer Part Number	BUL138
Transistors - Bipolar (BJT) - SinglePackageTO-220-3Series-Transistor TypeNPNCurrent - Collector (Ic) (Max)5AVoltage - Collector Emitter Breakdown (Max)400VVce Saturation (Max) @ Ib, Ic700mV @ 1A, 5ACurrent - Collector Cutoff (Max)250µADC Current Gain (hFE) (Min) @ Ic, Vce8 @ 2A, 5VPower - MaxSowFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Manufacturer	STMicroelectronics
PackageTO-220-3Series-Transistor TypeNPNCurrent - Collector (Ic) (Max)5AVoltage - Collector Emitter Breakdown (Max)400VVcc Saturation (Max) @ Ib, Ic700mV @ 1A, 5ACurrent - Collector Cutoff (Max)250µADC Current Gain (hFE) (Min) @ Ic, Vce8 @ 2A, 5VPower - Max-Frequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Category	Discrete Semiconductor Products
Series-Series-Transistor TypeNPNCurrent - Collector (Lc) (Max)5AVoltage - Collector Emitter Breakdown (Max)400VVcc Saturation (Max) @ Ib, Ic700mV @ 1A, 5ACurrent - Collector Cutoff (Max)250µADC Current Gain (hFE) (Min) @ Ic, Vce8 @ 2A, 5VPower - Max80WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole		Transistors - Bipolar (BJT) - Single
Transistor TypeNPNCurrent - Collector (Ix) (Max)5AVoltage - Collector Emitter Breakdown (Max)400VVce Saturation (Max) @ Ib, Ic70mN @ 1A, 5ACurrent - Collector Cutoff (Max)250µADC Current Gain (hFE) (Min) @ Ic, Vce8 @ 2A, 5VPower - Max80WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Package	TO-220-3
Current - Collector (Lo) (Max)5AVoltage - Collector Emitter Breakdown (Max)400VVcc Saturation (Max) @ Ib, Ic700mV @ 1A, 5ACurrent - Collector Cutoff (Max)250µADC Current Gain (hFE) (Min) @ Ic, Vce8 @ 2A, 5VPower - Max80WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Series	-
Voltage - Collector Emitter Breakdown (Max)400VVce Saturation (Max) @ Ib, Ic700mV @ 1A, 5ACurrent - Collector Cutoff (Max)250µADC Current Gain (hFE) (Min) @ Ic, Vce8 @ 2A, 5VPower - Max80WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Transistor Type	NPN
Vce Saturation (Max) @ lb, Ic700mV @ 1A, 5ACurrent - Collector Cutoff (Max)250μADC Current Gain (hFE) (Min) @ Ic, Vce8 @ 2A, 5VPower - Max80WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Current - Collector (Ic) (Max)	5A
Current - Collector Cutoff (Max)250μADC Current Gain (hFE) (Min) @ Ic, Vce8 @ 2A, 5VPower - Max80WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Voltage - Collector Emitter Breakdown (Max)	400V
DC Current Gain (hFE) (Min) @ Ic, Vce8 @ 2A, 5VPower - Max80WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Vce Saturation (Max) @ Ib, Ic	700mV @ 1A, 5A
Power - Max80WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Current - Collector Cutoff (Max)	250µA
Frequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	DC Current Gain (hFE) (Min) @ Ic, Vce	8 @ 2A, 5V
Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Power - Max	80W
Mounting Type Through Hole	Frequency - Transition	-
	Operating Temperature	150°C (TJ)
Package / Case TO_220_3	Mounting Type	Through Hole
10-220-5	Package / Case	TO-220-3
Supplier Device Package TO-220AB	Supplier Device Package	TO-220AB
Report errors?		Report errors?

BUL138 Guarantees



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