

# BU508AF

## **BU508AF Information**

	Part Number	BU508AF
www.heisenar.com	Manufacturer	STMicroelectronics
	Category	Discrete Semiconductor Products Transistors - Bipolar (BJT) - Single
	Description	TRANS NPN 700V 8A ISOWATT218FX
	Package	ISOWATT218FX
		For the pricing/inventory/lead time, please contact
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## **BU508AF Specifications**

Manufacturer Part NumberBU508AFManufacturerSTMicroelectronicsCategoryDiscrete Semiconductor ProductsTransistors - Bipolar (BJT) - SinglePackageISOWATT218FXSeries-Transistor TypeNPNCurrent - Collector (Ic) (Max)8AVoltage - Collector Emitter Breakdown (Max)700VVce Saturation (Max) @ Ib, IcIV @ 1.6A, 4.5ACurrent - Collector Cutoff (Max)200µAPower - MaxSoWFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseISOWATT218FX		
CategoryDiscrete Semiconductor ProductsCategoryTransistors - Bipolar (BJT) - SinglePackageISOWATT218FXSeries-Transistor TypeNPNCurrent - Collector (Ic) (Max)8AVoltage - Collector Emitter Breakdown (Max)700VVcc Saturation (Max) @ Ib, Ic1V @ 1.6A, 4.5ACurrent - Collector Cutoff (Max)200µADC Current Gain (hFE) (Min) @ Ic, Vce10 @ 100mA, 5VPower - Max50WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Manufacturer Part Number	BU508AF
Transistor - Bipolar (BJT) - SinglePackageISOWATT218FXSeries-Transistor TypeNPNCurrent - Collector (Ic) (Max)8AVoltage - Collector Emitter Breakdown (Max)700VVce Saturation (Max) @ Ib, Ic1V @ 1.6A, 4.5ACurrent - Collector Cutoff (Max)200µADC Current Gain (hFE) (Min) @ Ic, Vce10 @ 100mA, 5VPower - Max50WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Manufacturer	STMicroelectronics
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Series-Series-Transistor TypeNPNCurrent - Collector (Ic) (Max)8AVoltage - Collector Emitter Breakdown (Max)700VVce Saturation (Max) @ Ib, Ic1V @ 1.6A, 4.5ACurrent - Collector Cutoff (Max)200µADC Current Gain (hFE) (Min) @ Ic, Vce10 @ 100mA, 5VPower - Max50WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole		Transistors - Bipolar (BJT) - Single
Transistor TypeNPNCurrent - Collector (Lo (Max)8AVoltage - Collector Emitter Breakdown (Max)700VVce Saturation (Max) @ Ib, Ic1V @ 1.6A, 4.5ACurrent - Collector Cutoff (Max)200μADC Current Gain (hFE) (Min) @ Ic, Vce10 @ 100mA, 5VPower - Max50WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Package	ISOWATT218FX
Current - Collector (Ic) (Max)8AVoltage - Collector Emitter Breakdown (Max)700VVce Saturation (Max) @ Ib, Ic1V @ 1.6A, 4.5ACurrent - Collector Cutoff (Max)200µADC Current Gain (hFE) (Min) @ Ic, Vce10 @ 100mA, 5VPower - Max50WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Series	-
Voltage - Collector Emitter Breakdown (Max)700VVce Saturation (Max) @ Ib, Ic1V @ 1.6A, 4.5ACurrent - Collector Cutoff (Max)200µADC Current Gain (hFE) (Min) @ Ic, Vce10 @ 100mA, 5VPower - Max50WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Transistor Type	NPN
Vce Saturation (Max) @ Ib, IcIV @ 1.6A, 4.5ACurrent - Collector Cutoff (Max)200µADC Current Gain (hFE) (Min) @ Ic, Vce10 @ 100mA, 5VPower - Max50WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Current - Collector (Ic) (Max)	8A
Current - Collector Cutoff (Max)200μADC Current Gain (hFE) (Min) @ Ic, Vce10 @ 100mA, 5VPower - Max50WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Voltage - Collector Emitter Breakdown (Max)	700V
DC Current Gain (hFE) (Min) @ Ic, Vce10 @ 100mA, 5VPower - Max50WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Vce Saturation (Max) @ Ib, Ic	1V @ 1.6A, 4.5A
Power - Max50WFrequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Current - Collector Cutoff (Max)	200μΑ
Frequency - Transition-Operating Temperature150°C (TJ)Mounting TypeThrough Hole	DC Current Gain (hFE) (Min) @ Ic, Vce	10 @ 100mA, 5V
Operating Temperature150°C (TJ)Mounting TypeThrough Hole	Power - Max	50W
Mounting Type Through Hole	Frequency - Transition	-
	Operating Temperature	150°C (TJ)
Package / Case ISOWATT218FX	Mounting Type	Through Hole
	Package / Case	ISOWATT218FX
Supplier Device Package ISOWATT-218FX	Supplier Device Package	ISOWATT-218FX
Report error		Report errors?

#### **BU508AF 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 SUARANTEE

#### **Service Guarantees**

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



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