

## BST52,115

### **BST52,115 Information**



Part Number	BST52,115
Manufacturer	Nexperia USA Inc.
Category	Discrete Semiconductor Products Transistors - Bipolar (BJT) - Single
Description	TRANS NPN DARL 80V 1A SOT89
Package	TO-243AA
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com



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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.

Part



### **BST52,115** Specifications

ManufacturerNexperia USA Inc.CategoryDiscrete Semiconductor Products Transistors - Bipolar (BJT) - SinglePackageTO-243AASeriesAutomotive, AEC-Q101Transistor TypeNPN - DarlingtonCurrent - Collector (Ic) (Max)IAVoltage - Collector Emitter Breakdown (Max)80VVec Saturation (Max) @ Ib, Ic1.3V @ 500µA, 500mACurrent - Collector Cutoff (Max)50nADC Current Gain (hFE) (Min) @ Ic, Vce2000 @ 500mA, 10VPower - Max1.3WFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3		
CategoryDiscrete Semiconductor Products Transistors - Bipolar (BJT) - SinglePackageTO-243AAPackageAutomotive, AEC-Q101SteriesAutomotive, AEC-Q101Transistor TypeNPN - DarlingtonCurrent - Collector (Lc) (Max)1AVoltage - Collector Emitter Breakdown (Max)80VVcc Saturation (Max) @ Ib, Ic1.3V @ 500µA, 500mACurrent - Collector Cutoff (Max)50nADC Current Gain (hFE) (Min) @ Ic, Vce2000 @ 500mA, 10VPower - Max1.3WFrequency - Transition200MHzOperating TemperatureSurface MountMounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSort-89-3	Manufacturer Part Number	BST52,115
Transistors - Bipolar (BJT) - SinglePackageTO-243AASeriesAutomotive, AEC-Q101Transistor TypeNPN - DarlingtonCurrent - Collector (Ic) (Max)1AVoltage - Collector Emitter Breakdown (Max)80VVce Saturation (Max) @ Ib, Ic1.3V @ 500µA, 500mACurrent - Collector Cutoff (Max)50nADC Current Gain (hFE) (Min) @ Ic, Vce2000 @ 500mA, 10VPower - Max1.3WFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageS0T-89-3	Manufacturer	Nexperia USA Inc.
PackageTO-243AASeriesAutomotive, AEC-Q101Transistor TypeNPN - DarlingtonCurrent - Collector (Ic) (Max)1AVoltage - Collector Emitter Breakdown (Max)80VVce Saturation (Max) @ Ib, Ic1.3V @ 500µA, 500mACurrent - Collector Cutoff (Max)50nADC Current Gain (hFE) (Min) @ Ic, Vce2000 @ 500mA, 10VPower - Max1.3WFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Category	Discrete Semiconductor Products
SeriesAutomotive, AEC-Q101Transistor TypeNPN - DarlingtonCurrent - Collector (Lc) (Max)1AVoltage - Collector Emitter Breakdown (Max)80VVcc Saturation (Max) @ Ib, Ic1.3V @ 500µA, 500mACurrent - Collector Cutoff (Max)50nADC Current Gain (hFE) (Min) @ Ic, Vce2000 @ 500mA, 10VPower - Max1.3WFrequency - Transition200MHzOperating Temperature50°C (TJ)Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3		Transistors - Bipolar (BJT) - Single
Transistor TypeNPN - DarlingtonCurrent - Collector (Lo) (Max)1AVoltage - Collector Emitter Breakdown (Max)80VVce Saturation (Max) @ Ib, Ic1.3V @ 500µA, 500mACurrent - Collector Cutoff (Max)50nADC Current Gain (hFE) (Min) @ Ic, Vce2000 @ 500mA, 10VPower - Max1.3WFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Package	TO-243AA
Current - Collector (Ic) (Max)1AVoltage - Collector Emitter Breakdown (Max)80VVce Saturation (Max) @ Ib, Ic1.3V @ 500µA, 500mACurrent - Collector Cutoff (Max)50nADC Current Gain (hFE) (Min) @ Ic, Vce2000 @ 500mA, 10VPower - Max1.3WFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Series	Automotive, AEC-Q101
Voltage - Collector Emitter Breakdown (Max)80VVce Saturation (Max) @ Ib, Ic1.3V @ 500µA, 500mACurrent - Collector Cutoff (Max)50nADC Current Gain (hFE) (Min) @ Ic, Vce2000 @ 500mA, 10VPower - Max1.3WFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Transistor Type	NPN - Darlington
Vce Saturation (Max) @ Ib, Ic1.3V @ 500µA, 500mACurrent - Collector Cutoff (Max)50nADC Current Gain (hFE) (Min) @ Ic, Vce2000 @ 500mA, 10VPower - Max1.3WPower - Max000 HzFrequency - Transition2000 HzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Current - Collector (Ic) (Max)	1A
Current - Collector Cutoff (Max)50nADC Current Gain (hFE) (Min) @ Ic, Vce2000 @ 500mA, 10VPower - Max1.3WFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Voltage - Collector Emitter Breakdown (Max)	80V
DC Current Gain (hFE) (Min) @ Ic, Vce2000 @ 500mA, 10VPower - Max1.3WFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Vce Saturation (Max) @ Ib, Ic	1.3V @ 500µA, 500mA
Power - Max1.3WFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Current - Collector Cutoff (Max)	50nA
Frequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	DC Current Gain (hFE) (Min) @ Ic, Vce	2000 @ 500mA, 10V
Operating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Power - Max	1.3W
Mounting TypeSurface MountPackage / CaseTO-243AASupplier Device PackageSOT-89-3	Frequency - Transition	200MHz
Package / CaseTO-243AASupplier Device PackageSOT-89-3	Operating Temperature	150°C (TJ)
Supplier Device Package SOT-89-3	Mounting Type	Surface Mount
	Package / Case	TO-243AA
Report errors?	Supplier Device Package	SOT-89-3
		Report errors?

### **BST52,115** 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 GUARANTEE

### **Service Guarantees**

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

# BST52,115 Payment Methods Image: I

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