



### **DDTC123JUA-7 Information**



For Reference Only

Part Number DDTC123JUA-7
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products

Transistors - Bipolar (BJT) - Single, Pre-Biased

**Description** TRANS PREBIAS NPN 200MW SOT323

Package SC-70, SOT-323

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**

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## **DDTC123JUA-7 Specifications**

Manufacturer Part NumberDDTC123JUA-7ManufacturerDiodes IncorporatedCategoryDiscrete Semiconductor ProductsTransistors - Bipolar (BJT) - Single, Pre-BiasedPackageSC-70, SOT-323Series-Transistor TypeNPN - Pre-BiasedCurrent - Collector (Ic) (Max)100mAVoltage - Collector Emitter Breakdown (Max)50VResistor - Base (R1) (Ohms)2.2kResistor - Emitter Base (R2) (Ohms)47kDC Current Gain (hFE) (Min) @ Ic, Vce80 @ 10mA, 5VVce Saturation (Max) @ Ib, Ic300mV @ 250μA, 5mACurrent - Collector Cutoff (Max)500nAFrequency - Transition250MHzPower - Max200mWMounting TypeSurface MountPackage / CaseSC-70, SOT-323Supplier Device PackageSOT-323	•	
Category  Discrete Semiconductor Products  Transistors - Bipolar (BJT) - Single, Pre-Biased  Package  SC-70, SOT-323  Series  - Transistor Type  NPN - Pre-Biased  Current - Collector (Ic) (Max)  Voltage - Collector Emitter Breakdown (Max)  Resistor - Base (R1) (Ohms)  Resistor - Emitter Base (R2) (Ohms)  DC Current Gain (hFE) (Min) @ Ic, Vce  Vee Saturation (Max) @ Ib, Ic  Current - Collector Cutoff (Max)  Frequency - Transition  Power - Max  Mounting Type  Surface Mount  Package / Case  SC-70, SOT-323  Supplier Device Package	Manufacturer Part Number	DDTC123JUA-7
Transistors - Bipolar (BJT) - Single, Pre-Biased  SC-70, SOT-323  Series  Transistor Type  NPN - Pre-Biased  100mA  Voltage - Collector Emitter Breakdown (Max)  Resistor - Base (R1) (Ohms)  PC Current Gain (hFE) (Min) @ Ic, Vce  Vee Saturation (Max) @ Ib, Ic  Current - Collector Cutoff (Max)  Tooma  Sound Prequency - Transition  Power - Max  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  SC-70, SOT-323  Supplier Device Package	Manufacturer	Diodes Incorporated
Series - Transistor Type NPN - Pre-Biased Current - Collector (Ic) (Max) Voltage - Collector Emitter Breakdown (Max) Resistor - Base (R1) (Ohms) 2.2k Resistor - Emitter Base (R2) (Ohms) 47k DC Current Gain (hFE) (Min) @ Ic, Vce 80 @ 10mA, 5V Vce Saturation (Max) @ Ib, Ic 300mV @ 250μA, 5mA Current - Collector Cutoff (Max) Frequency - Transition 250MHz Power - Max Mounting Type Surface Mount Package / Case SC-70, SOT-323 Supplier Device Package SC-70, SOT-323	Category	Discrete Semiconductor Products
Series - NPN - Pre-Biased Current - Collector (Ic) (Max) 100mA Voltage - Collector Emitter Breakdown (Max) 50V Resistor - Base (R1) (Ohms) 2.2k Resistor - Emitter Base (R2) (Ohms) 47k DC Current Gain (hFE) (Min) @ Ic, Vce 80 @ 10mA, 5V Vce Saturation (Max) @ Ib, Ic 300mV @ 250µA, 5mA Current - Collector Cutoff (Max) 500nA Frequency - Transition 250MHz Power - Max 200mW Mounting Type Surface Mount Package / Case SC-70, SOT-323 Supplier Device Package		Transistors - Bipolar (BJT) - Single, Pre-Biased
Transistor Type  Current - Collector (Ic) (Max)  Voltage - Collector Emitter Breakdown (Max)  Resistor - Base (R1) (Ohms)  Resistor - Emitter Base (R2) (Ohms)  DC Current Gain (hFE) (Min) @ Ic, Vce  Vce Saturation (Max) @ Ib, Ic  Current - Collector Cutoff (Max)  Frequency - Transition  Power - Max  Mounting Type  Surface Mount  Package / Case  SUPplier Device Package  NPN - Pre-Biased  100mA  100mA  50V  2.2k  80 @ 10mA, 5V  80 @ 10mA, 5V  250μA, 5mA  500nA  Supplier Device Package	Package	SC-70, SOT-323
Current - Collector (Ic) (Max)  Voltage - Collector Emitter Breakdown (Max)  Resistor - Base (R1) (Ohms)  2.2k  Resistor - Emitter Base (R2) (Ohms)  DC Current Gain (hFE) (Min) @ Ic, Vce  80 @ 10mA, 5V  Vce Saturation (Max) @ Ib, Ic  300mV @ 250µA, 5mA  Current - Collector Cutoff (Max)  Frequency - Transition  250MHz  Power - Max  200mW  Mounting Type  Surface Mount  Package / Case  SC-70, SOT-323  Supplier Device Package	Series	-
Voltage - Collector Emitter Breakdown (Max)  Resistor - Base (R1) (Ohms)  2.2k  Resistor - Emitter Base (R2) (Ohms)  47k  DC Current Gain (hFE) (Min) @ Ic, Vce  80 @ 10mA, 5V  Vce Saturation (Max) @ Ib, Ic  300mV @ 250μA, 5mA  Current - Collector Cutoff (Max)  Frequency - Transition  250MHz  Power - Max  200mW  Mounting Type  Surface Mount  Package / Case  SC-70, SOT-323  Supplier Device Package	Transistor Type	NPN - Pre-Biased
Resistor - Base (R1) (Ohms)2.2kResistor - Emitter Base (R2) (Ohms)47kDC Current Gain (hFE) (Min) @ Ic, Vce80 @ 10mA, 5VVce Saturation (Max) @ Ib, Ic300mV @ 250μA, 5mACurrent - Collector Cutoff (Max)500nAFrequency - Transition250MHzPower - Max200mWMounting TypeSurface MountPackage / CaseSC-70, SOT-323Supplier Device PackageSOT-323	Current - Collector (Ic) (Max)	100mA
Resistor - Emitter Base (R2) (Ohms)47kDC Current Gain (hFE) (Min) @ Ic, Vce80 @ 10mA, 5VVce Saturation (Max) @ Ib, Ic300mV @ 250μA, 5mACurrent - Collector Cutoff (Max)500nAFrequency - Transition250MHzPower - Max200mWMounting TypeSurface MountPackage / CaseSC-70, SOT-323Supplier Device PackageSOT-323	Voltage - Collector Emitter Breakdown (Max)	50V
DC Current Gain (hFE) (Min) @ Ic, Vce  80 @ 10mA, 5V  Vce Saturation (Max) @ Ib, Ic  300mV @ 250μA, 5mA  Current - Collector Cutoff (Max)  Frequency - Transition  250MHz  Power - Max  200mW  Mounting Type  Surface Mount  Package / Case  SC-70, SOT-323  Supplier Device Package	Resistor - Base (R1) (Ohms)	2.2k
Vce Saturation (Max) @ Ib, Ic300mV @ 250μA, 5mACurrent - Collector Cutoff (Max)500nAFrequency - Transition250MHzPower - Max200mWMounting TypeSurface MountPackage / CaseSC-70, SOT-323Supplier Device PackageSOT-323	Resistor - Emitter Base (R2) (Ohms)	47k
Current - Collector Cutoff (Max)  Frequency - Transition  Power - Max  200mW  Mounting Type  Surface Mount  Package / Case  SC-70, SOT-323  Supplier Device Package	DC Current Gain (hFE) (Min) @ Ic, Vce	80 @ 10mA, 5V
Frequency - Transition  250MHz  Power - Max  200mW  Mounting Type  Surface Mount  Package / Case  SC-70, SOT-323  Supplier Device Package  SOT-323	Vce Saturation (Max) @ Ib, Ic	300mV @ 250μA, 5mA
Power - Max  Mounting Type Surface Mount Package / Case SC-70, SOT-323 Supplier Device Package SOT-323	Current - Collector Cutoff (Max)	500nA
Mounting Type Surface Mount Package / Case SC-70, SOT-323 Supplier Device Package SOT-323	Frequency - Transition	250MHz
Package / Case SC-70, SOT-323 Supplier Device Package SOT-323	Power - Max	200mW
Supplier Device Package SOT-323	Mounting Type	Surface Mount
	Package / Case	SC-70, SOT-323
Panort arrors?	Supplier Device Package	SOT-323
Report errors:		Report errors?

#### **DDTC123JUA-7 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 Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## **DDTC123JUA-7 Payment Methods**



















# **DDTC123JUA-7 Shipping Methods**













If you have any question about DDTC123JUA-7, please do not hesitate to contact us!

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