

**DDTC123YE-7-F Information**


For Reference Only

**Part Number** DDTC123YE-7-F  
**Manufacturer** Diodes Incorporated  
**Category** Discrete Semiconductor Products  
**Transistors - Bipolar (BJT) - Single, Pre-Biased**  
**Description** TRANS PREBIAS NPN 150MW SOT523  
**Package** SOT-523  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)



Request a Quote

**Certified Quality**

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.


**DDTC123YE-7-F Specifications**

|   |  |
|---|--|
| Manufacturer Part Number                    | DDTC123YE-7-F  |
| Manufacturer                                | Diodes Incorporated  |
| Category                                    | Discrete Semiconductor Products<br><b>Transistors - Bipolar (BJT) - Single, Pre-Biased</b> |
| Package                                     | SOT-523  |
| Series                                      | -  |
| Transistor Type                             | 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)         | 10k  |
| DC Current Gain (hFE) (Min) @ Ic, Vce       | 33 @ 10mA, 5V  |
| Vce Saturation (Max) @ Ib, Ic               | 300mV @ 500µA, 10mA  |
| Current - Collector Cutoff (Max)            | 500nA  |
| Frequency - Transition                      | 250MHz   |
| Power - Max                                 | 150mW  |
| Mounting Type                               | Surface Mount  |
| Package / Case                              | SOT-523  |
| Supplier Device Package                     | SOT-523  |

[Report errors?](#)

## DDTC123YE-7-F 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.

## DDTC123YE-7-F Payment Methods



## DDTC123YE-7-F Shipping Methods



If you have any question about DDTC123YE-7-F, please do not hesitate to contact us!

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