

# **TIP142**

#### **TIP142 Information**



| Part Number  | TIP142   |
|--------------|--|
| Manufacturer | ON Semiconductor   |
| Category     | Discrete Semiconductor Products<br>Transistors - Bipolar (BJT) - Single  |
| Description  | TRANS NPN DARL 100V 10A TO218AC  |
| Package      | TO-247-3   |
|              | For the pricing/inventory/lead time, please contact<br>us<br>Website: https://www.heisener.com<br>E-mail: salesdept@heisener.com |



Request a Quote

For Reference Only

## **Certified Quality**

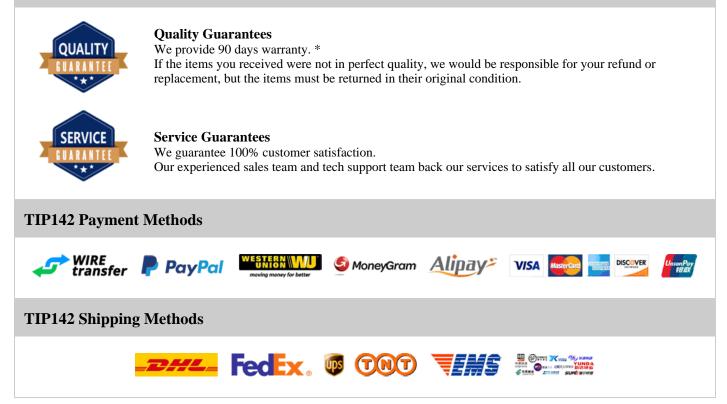
Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



### **TIP142 Specifications**

| Manufacturer Part Number                    | TIP142                               |
|---|--------------------------------------|
| Manufacturer                                | ON Semiconductor                     |
| Category                                    | Discrete Semiconductor Products      |
|   | Transistors - Bipolar (BJT) - Single |
| Package                                     | TO-247-3                             |
| Series                                      | -                                    |
| Transistor Type                             | NPN - Darlington                     |
| Current - Collector (Ic) (Max)              | 10A                                  |
| Voltage - Collector Emitter Breakdown (Max) | 100V                                 |
| Vce Saturation (Max) @ Ib, Ic               | 3V @ 40mA, 10A                       |
| Current - Collector Cutoff (Max)            | 2mA                                  |
| DC Current Gain (hFE) (Min) @ Ic, Vce       | 1000 @ 5A, 4V                        |
| Power - Max                                 | 125W                                 |
| Frequency - Transition                      | -                                    |
| Operating Temperature                       | -65°C ~ 150°C (TJ)                   |
| Mounting Type                               | Through Hole                         |
| Package / Case                              | TO-247-3                             |
| Supplier Device Package                     | TO-247-3                             |
|   | Report errors?                       |

#### **TIP142 Guarantees**



If you have any question about TIP142, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com