

2N5086

### **2N5086 Information**



| Part Number  | 2N5086   |  |
|--------------|--|--|
| Manufacturer | Central Semiconductor Corp   |  |
| Category     | Discrete Semiconductor Products<br>Transistors - Bipolar (BJT) - Single  |  |
| Description  | THROUGH-HOLE TRANSISTOR-SMALL SI   |  |
| Package      | TO-226-3, TO-92-3 (TO-226AA)   |  |
|              | For the pricing/inventory/lead time, please contact<br>us<br>Website: https://www.heisener.com<br>E-mail: salesdept@heisener.com |  |



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## **2N5086 Specifications**

| Manufacturer Part Number2N5086ManufacturerCentral Semiconductor CorpCategoryDiscrete Semiconductor ProductsPackageTransistors - Bipolar (BJT) - SinglePackageTO-226-3, TO-92-3 (TO-226AA)Series-Transistor TypePNPCurrent - Collector (Ic) (Max)500MAVoltage - Collector Emitter Breakdown (Max)50VVce Saturation (Max) @ Ib, Ic300mV @ ImA, 10mACurrent - Collector Cutoff (Max)50nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce150 @ ImA, 5VPower - Max1.5WFrequency - Transition40MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) |   |                                      |
|--|---|--------------------------------------|
| CategoryDiscrete Semiconductor ProductsTransistors - Bipolar (BJT) - SinglePackageT0-226-3, T0-92-3 (T0-226AA)Series-Transistor TypePNPCurrent - Collector (Lo) (Max)SomAVoltage - Collector Emitter Breakdown (Max)SovVcc Saturation (Max) @ Ib, Ic300mV @ 1mA, 10mACurrent - Collector Cutoff (Max)SonA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce150 @ 1mA, 5VPower - Max1.5WFrequency - Transition40MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough Hole   | Manufacturer Part Number                    | 2N5086                               |
| HereTransistors - Bipolar (BJT) - SinglePackageTO-226-3, TO-92-3 (TO-226AA)Series-Transistor TypePNPCurrent - Collector (Ic) (Max)SomAVoltage - Collector Emitter Breakdown (Max)SovVce Saturation (Max) @ Ib, Ic300mV @ 1mA, 10mACurrent - Collector Cutoff (Max)SonA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce150 @ 1mA, 5VPower - Max1.5WFrequency - Transition40MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough Hole  | Manufacturer                                | Central Semiconductor Corp           |
| PackageTO-226-3, TO-92-3 (TO-226AA)Series-Transistor TypePNPCurrent - Collector (Lo (Max)50mAVoltage - Collector Emitter Breakdown (Max)50VVcc Saturation (Max) @ Ib, Ic300mV @ 1mA, 10mACurrent - Collector Cutoff (Max)50nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce150 @ 1mA, 5VPower - Max1.5WFrequency - Transition40MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough Hole   | Category                                    | Discrete Semiconductor Products      |
| Series-Transistor TypePNPCurrent - Collector (Ic) (Max)50mAVoltage - Collector Emitter Breakdown (Max)50VVce Saturation (Max) @ Ib, Ic300mV @ 1mA, 10mACurrent - Collector Cutoff (Max)50nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce150 @ 1mA, 5VPower - Max1.5WFrequency - Transition40MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough Hole   |   | Transistors - Bipolar (BJT) - Single |
| Transistor TypePNPCurrent - Collector (Lo (Max)50mAVoltage - Collector Emitter Breakdown (Max)50VVce Saturation (Max) @ Ib, Ic300mV @ 1mA, 10mACurrent - Collector Cutoff (Max)50nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce150 @ 1mA, 5VPower - Max1.5WFrequency - Transition40MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough Hole   | Package                                     | TO-226-3, TO-92-3 (TO-226AA)         |
| Current - Collector (Ic) (Max)50mAVoltage - Collector Emitter Breakdown (Max)50VVce Saturation (Max) @ Ib, Ic300mV @ 1mA, 10mACurrent - Collector Cutoff (Max)50nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce150 @ 1mA, 5VPower - Max1.5WFrequency - Transition40MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough Hole  | Series                                      | -                                    |
| Voltage - Collector Emitter Breakdown (Max)50VVce Saturation (Max) @ Ib, Ic300mV @ 1mA, 10mACurrent - Collector Cutoff (Max)50nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce150 @ 1mA, 5VPower - Max1.5WFrequency - Transition40MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough Hole  | Transistor Type                             | PNP                                  |
| Vce Saturation (Max) @ Ib, Ic300mV @ 1mA, 10mACurrent - Collector Cutoff (Max)50nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce150 @ 1mA, 5VPower - Max1.5WFrequency - Transition40MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough Hole  | Current - Collector (Ic) (Max)              | 50mA                                 |
| Current - Collector Cutoff (Max)50nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce150 @ 1mA, 5VPower - Max1.5WFrequency - Transition40MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough Hole  | Voltage - Collector Emitter Breakdown (Max) | 50V                                  |
| DC Current Gain (hFE) (Min) @ Ic, Vce 150 @ 1mA, 5V   Power - Max 1.5W   Frequency - Transition 40MHz   Operating Temperature -65°C ~ 150°C (TJ)   Mounting Type Through Hole  | Vce Saturation (Max) @ Ib, Ic               | 300mV @ 1mA, 10mA                    |
| Power - Max1.5WFrequency - Transition40MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough Hole   | Current - Collector Cutoff (Max)            | 50nA (ICBO)                          |
| Frequency - Transition40MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough Hole  | DC Current Gain (hFE) (Min) @ Ic, Vce       | 150 @ 1mA, 5V                        |
| Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeThrough Hole   | Power - Max                                 | 1.5W                                 |
| Mounting Type Through Hole   | Frequency - Transition                      | 40MHz                                |
|  | Operating Temperature                       | -65°C ~ 150°C (TJ)                   |
| Package / Case TO-226-3, TO-92-3 (TO-226AA)  | Mounting Type                               | Through Hole                         |
|  | Package / Case                              | TO-226-3, TO-92-3 (TO-226AA)         |
| Supplier Device Package TO-92  | Supplier Device Package                     | TO-92                                |
| Report error   |   | Report errors?                       |

#### **2N5086 Guarantees**



If you have any question about 2N5086, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com