

# KSC815YBU

Request a Quote

### **KSC815YBU Information**

|                    | Part Number   | KSC815YBU   |
|--------------------|---|---|
|                    | Manufacturer  | Fairchild/ON Semiconductor  |
| www.incluener.com  | CategoryDiscrete Semiconductor ProductsomTransistors - Bipolar (BJT) - Single |   |
|                    | Description   | TRANS NPN 45V 0.2A TO-92  |
|                    | Package   | TO-226-3, TO-92-3 (TO-226AA)  |
|                    |   | For the pricing/inventory/lead time, please contact<br>us           |
| For Reference Only |   | Website: https://www.heisener.com<br>E-mail: salesdept@heisener.com |

## **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.



### **KSC815YBU** Specifications

| Manufacturer Part NumberKSC815YBUManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor ProductsTransistors - Bipolar (BJT) - SingleTransistors - Bipolar (BJT) - SinglePackageTO-226-3, TO-226 A,1Series-Transistor TypeNPNCurrent - Collector (Lo) (Max)200mAVoltage - Collector Emitter Breakdown (Max)45VVce Saturation (Max) @ Ib, Ic400mV @ 15mA, 150mADC Current Gain (hFE) (Min) @ Ic, Vce120 @ 50mA, 1VPower - Max400mWFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-226AA)Supplic Device PackageTO-226-3, TO-226AA) |   |                                      |
|--|---|--------------------------------------|
| CategoryDiscrete Semiconductor ProductsTransistors - Bipolar (BJT) - SinglePackageTO-226-3, TO-92-3 (TO-226A)Series-Transistor TypeNPNCurrent - Collector (Ic) (Max)200mAVoltage - Collector Emitter Breakdown (Max)45VVce Saturation (Max) @ Ib, Ic400mV @ 15mA, 150mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce120 @ 50mA, 1VPower - Max400mWFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226A, TO-226AA)Supplier Device PackageTO-226-3, TO-92-3 (TO-226AA)  | Manufacturer Part Number                    | KSC815YBU                            |
| Transistors - Bipolar (BJT) - SinglePackageTO-226-3, TO-92-3 (TO-226AA)Series-Transistor TypeNPNCurrent - Collector (Lo (Max)200mAVoltage - Collector Emitter Breakdown (Max)45VVce Saturation (Max) @ Ib, Ic400mV @ 15mA, 150mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce120 @ 50mA, 1VPower - Max400mWFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226.3, TO-92-3, (TO-226AA)Supplier Device PackageTO-92-3   | Manufacturer                                | Fairchild/ON Semiconductor           |
| Package TO-226-3, TO-92-3 (TO-226AA)   Series -   Transistor Type NPN   Current - Collector (Lc) (Max) 200mA   Voltage - Collector Emitter Breakdown (Max) 45V   Vcc Saturation (Max) @ Ib, Ic 400mV @ 15mA, 150mA   Current - Collector Cutoff (Max) 100nA (ICBO)   DC Current Gain (hFE) (Min) @ Ic, Vce 120 @ 50mA, 1V   Power - Max 400mW   Frequency - Transition 200MHz   Operating Temperature 150°C (TJ)   Mounting Type Through Hole   Package / Case TO-226-3, TO-92-3 (TO-226AA)   Supplier Device Package TO-92-3  | Category                                    | Discrete Semiconductor Products      |
| Series-Transistor TypeNPNCurrent - Collector (Lo (Max)200mAVoltage - Collector Emitter Breakdown (Max)45VVce Saturation (Max) @ Ib, Ic400mV @ 15mA, 150mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min @ Ic, Vce120 @ 50mA, 1VPower - Max400mWFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3  |   | Transistors - Bipolar (BJT) - Single |
| Transistor TypeNPNCurrent - Collector (Ic) (Max)200mAVoltage - Collector Emitter Breakdown (Max)45VVcc Saturation (Max) @ Ib, Ic400mV @ 15mA, 150mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce120 @ 50mA, 1VPower - Max400mWFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-226AA)Supplier Device PackageTO-92-3  | Package                                     | TO-226-3, TO-92-3 (TO-226AA)         |
| Current - Collector (Ic) (Max)200mAVoltage - Collector Emitter Breakdown (Max)45VVcc Saturation (Max) @ Ib, Ic400mV @ 15mA, 150mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce120 @ 50mA, 1VPower - Max400mWPrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3   | Series                                      | -                                    |
| Voltage - Collector Emitter Breakdown (Max)45VVce Saturation (Max) @ Ib, Ic400mV @ 15mA, 150mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce120 @ 50mA, 1VPower - Max400mWFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3  | Transistor Type                             | NPN                                  |
| Vce Saturation (Max) @ lb, Ic400mV @ 15mA, 150mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce120 @ 50mA, 1VPower - Max400mWFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3  | Current - Collector (Ic) (Max)              | 200mA                                |
| Current - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce120 @ 50mA, 1VPower - Max400mWFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3  | Voltage - Collector Emitter Breakdown (Max) | 45V                                  |
| DC Current Gain (hFE) (Min) @ Ic, Vce120 @ 50mA, 1VPower - Max400mWFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3  | Vce Saturation (Max) @ Ib, Ic               | 400mV @ 15mA, 150mA                  |
| Power - Max400mWFrequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3   | Current - Collector Cutoff (Max)            | 100nA (ICBO)                         |
| Frequency - Transition200MHzOperating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3   | DC Current Gain (hFE) (Min) @ Ic, Vce       | 120 @ 50mA, 1V                       |
| Operating Temperature150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3   | Power - Max                                 | 400mW                                |
| Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3  | Frequency - Transition                      | 200MHz                               |
| Package / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3   | Operating Temperature                       | 150°C (TJ)                           |
| Supplier Device Package TO-92-3  | Mounting Type                               | Through Hole                         |
|  | Package / Case                              | TO-226-3, TO-92-3 (TO-226AA)         |
| Report error   | Supplier Device Package                     | TO-92-3                              |
|  |   | Report error                         |

#### **KSC815YBU 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 BUARANTEE

#### **Service Guarantees**

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

DISCOVER

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