

**2SD13020RA Information**


For Reference Only

**Part Number** [2SD13020RA](#)  
**Manufacturer** Panasonic Electronic Components  
**Category** Discrete Semiconductor Products  
[Transistors - Bipolar \(BJT\) - Single](#)  
**Description** TRANS NPN 20V 0.5A TO-92  
**Package** TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  
 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.


**2SD13020RA Specifications**

|   |   |
|---|---|
| Manufacturer Part Number                    | <a href="#">2SD13020RA</a>  |
| Manufacturer                                | Panasonic Electronic Components   |
| Category                                    | Discrete Semiconductor Products<br><a href="#">Transistors - Bipolar (BJT) - Single</a> |
| Package                                     | TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)   |
| Series                                      | -   |
| Transistor Type                             | NPN   |
| Current - Collector (Ic) (Max)              | 500mA   |
| Voltage - Collector Emitter Breakdown (Max) | 20V   |
| Vce Saturation (Max) @ Ib, Ic               | 400mV @ 20mA, 500mA   |
| Current - Collector Cutoff (Max)            | 100nA (ICBO)  |
| DC Current Gain (hFE) (Min) @ Ic, Vce       | 200 @ 500mA, 2V   |
| Power - Max                                 | 600mW   |
| Frequency - Transition                      | 200MHz  |
| Operating Temperature                       | 150°C (TJ)  |
| Mounting Type                               | Through Hole  |
| Package / Case                              | TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)   |
| Supplier Device Package                     | TO-92-B1  |

[Report errors?](#)

## 2SD13020RA 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.

## 2SD13020RA Payment Methods



## 2SD13020RA Shipping Methods



If you have any question about 2SD13020RA, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)