

# ST4

## 10 kHz to 3000 MHz

Noise Diodes

### Specifications

|                                  |   |
|----------------------------------|---|
| RF Frequency                     | 10 kHz to 3000 MHz  |
| Noise Output                     | 34 dB Min (10 KHz to 1 MHz) ENR<br>33 dB min (1 MHz to 10 MHz) ENR<br>31 dB min (10 MHz to 100 MHz) ENR |
| Noise Spectral Density ( $N_o$ ) | -145 dBm/Hz Min (10 MHz to 100 MHz)   |
| Bias Voltage                     | 8.5 nominal V   |
| Supply Current                   | 4 mA Max  |
| Impedance                        | 50 ohms   |

### Package and Connectivity

|              |           |
|--------------|-----------|
| Construction | SMT SOT23 |
|--------------|-----------|

### Environmental

|                       |               |
|-----------------------|---------------|
| Operating Temperature | -40 to 85 °C  |
| Storage Temperature   | -55 to 125 °C |

### Notes



Microwave RF Components | Hudson, NH | (603) 546-4100 | [rf.mrcy.com](http://rf.mrcy.com)  
Specifications subject to change without notice