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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Part name | Operational voltage | Typical current/power consumption | Temperature output range | Data accuracy | Resolution | Available package(s) | Price | Communication protocol/method | Additional features |
| SHT30 | 2.15 to 5.5 V | 0.2 to 1500 µA | -40 to 125 ℃ | ±0.3 ℃ | 0.015 ℃ (16-bit) | * 11 x 13 mm breakout board * 50-cm long waterproof probe | 85,000 to 255,000 VND | I2C | Humidity sensing |
| SHT31 | 2.5 to 5.5 V | 0.2 to 1500 µA | -40 to 125 ℃ | ±0.3 ℃ | 0.015 ℃ (16-bit) | * 2.5 x 2.5 x 0.9 mm IC * 13.1 x 10.4 mm breakout board | 57,000 to 84,000 VND | I2C | Humidity sensing |
| SHTC3 | 5 to 28 V | < 0.05 W | -40 to 125 ℃ | ±0.2 ℃ | 0.01 ℃ | 50-cm probe | 195,000 to 285,000 VND | RS-485 Modbus | Humidity sensing |
| TMP435ADGSR | 2.7 to 5.5 V | 3 µA to 6 mA | -60 to 150 ℃ | ±1.25 ℃ | 12-bit | 3 x 3 x 0.5 mm (10-VSSOP) | 89,000 VND | SMBus |  |
| AHT20 | 2 to 5.5 V | 0.25 to 23 µA | -40 to 85 ℃ | ±0.3 ℃ | 0.01 ℃ | 10.4 x 15 mm breakout board | 27,000 VND | I2C | Humidity sensing |
| SMT172 | 2.7 to 5.5 V | 0 to 70 µA | -45 to 130 ℃ | ±0.25 ℃ | N/A | 4.58 x 4.58 x 3.86 mm (TO-92) | 93,000 VND | PWM |  |
| SHT20 | 2.1 to 3.6 V | 0.15 to 330 µA | -40 to 125 ℃ | ±0.3 ℃ | 0.01 ℃ (14-bit) to 0.04 ℃ (12-bit) | 50-cm probe | 294,000 VND | I2C | Humidity sensing |
| AM2315 | 3.5 to 5.5 V | 10 to 500 µA | -40 to 125 ℃ | ±0.1 ℃ | 0.1 ℃ (16-bit) | 50-cm probe | 830,000 VND | I2C | Humidity sensing |
| HTU21 | 1.5 to 3.6 V | 0.02 to 500 µA | -40 to 125 ℃ | ±0.3 ℃ | 0.01 ℃ (14-bit) to 0.04 ℃ (12-bit) | 21 x 16 mm breakout board | 49,000 VND | I2C | Humidity sensing |
| DHT11 | 3 to 5.5 V | 100 µA  to 2.5 mA | 0 to 50 ℃ | ±2 ℃ | 1 ℃  (8-bit) | 15.5 x 12 x 5.5 mm | 34,000 VND | Single-Wire Two-Way | Humidity sensing |
| DHT12 | 2.7 to 5.5 V | 30 to 150 µA | -20 to 60 ℃ | ±0.5 ℃ | 0.1 ℃  (16-bit) | * 12.3 x 7.5 x 4.7 mm * 2.1 x 1.3 cm breakout board | 67,000 to 72,000 VND | I2C, One-Wire | Humidity sensing |
| DHT21 | 3.3 to 5.5 V | 15 to 1200 µA | -40 to 80 ℃ | ±0.5 ℃ | 0.1 ℃ | 59 x 26.6 x 14 mm; extended wires up to 20 m | 103,000 VND | One-Wire | Humidity sensing |
| DHT22 | 3.3 to 5.5 V | 40 µA  to 1.5 mA | -40 to 80 ℃ | ±0.5 ℃ | 0.1 ℃ | * 25.1 x 15.1 x 7.7 mm * 58.8 x 26.7 x 13.8 mm; extended wires up to 100 m * 27 x 59 x 13.5 mm breakout board | 90,000 to 120,000 VND | One-Wire | Humidity sensing |
| LM35D | 4 to 30 V | 56 to 141 µA | 0 to 100 ℃ | ±1.5 ℃ | 10 mV/℃ | 4.58 x 4.58 x 3.86 mm (TO-92) | 45,000 VND | Analogue |  |
| LM335 | 2.92 to 3.04 V | 450 µA  to 5 mA | -40 to 125 ℃ | 1 to 9 ℃ | 10 mV/K | 4.58 x 4.58 x 3.86 mm (TO-92) | 15,000 VND | Analogue |  |
| LM75A | 2.7 to 5.5 V | 4 to 500 µA | -55 to 125 ℃ | ±2 to ±3 ℃ | 0.5 ℃  (9-bit) | 38 x 16 mm breakout board | 37,000 VND | I2C |  |
| Si7021 | 1.9 to 3.6 V | 0.6 to 180 µA;  up to 4 mA during transmissions | -40 to 125 ℃ | ±0.3 ℃ | 14-bit to 11-bit | 15.6 x 15.7 mm | 182,000 VND | I2C | Humidity sensing |
| DS18B20 | 3.0 to 5.5 V | 750 nA  to 1.5 mA | -55 to 125 ℃ | ±0.5 to ±2 ℃ | 0.5 ℃  (9-bit) to 0.0625 ℃ (12-bit) | * 4.58 x 4.58 x 3.86 mm (TO-92) * 1-m waterproof probe | 29,000 to 85,000 VND | One-Wire |  |
| BMP180 | 1.8 to 3.6 V | 0.1 to 650 µA | -40 to 85 ℃ | ±0.5 ℃ | 0.1 ℃ | 21 x 18 mm breakout board | 15,000 VND | I2C | Pressure sensing |
| BMP280 | 1.71 to 3.6 V | 0.1 to 720 µA | -40 to 85 ℃ | ±0.5 ℃ | 0.0003 ℃ (20-bit) to 0.0050 ℃ (16-bit) | 11.5 x 15 mm breakout board | 18,000 VND | I2C, SPI | Pressure sensing |
| BME280 | 1.71 to 3.6 V | 0.1 to 714 µA | -40 to 85 ℃ | ±0.5 ℃ | 0.01 ℃ | 16 x 1 mm breakout board | 140,000 to 650,000 VND | I2C, SPI | Humidity and pressure sensing |
| BME680 | 1.71 to 3.6 V | 0.15 to 849 µA | -40 to 85 ℃ | ±0.5 ℃ | 0.01 ℃ | 15 x 19 mm breakout board | 278,000 VND | I2C, SPI | Gas, humidity, and pressure sensing |
| PT100 | (type- and grade-dependent) | | | | | | 24,000 to 289,000 VND | Analogue |  |