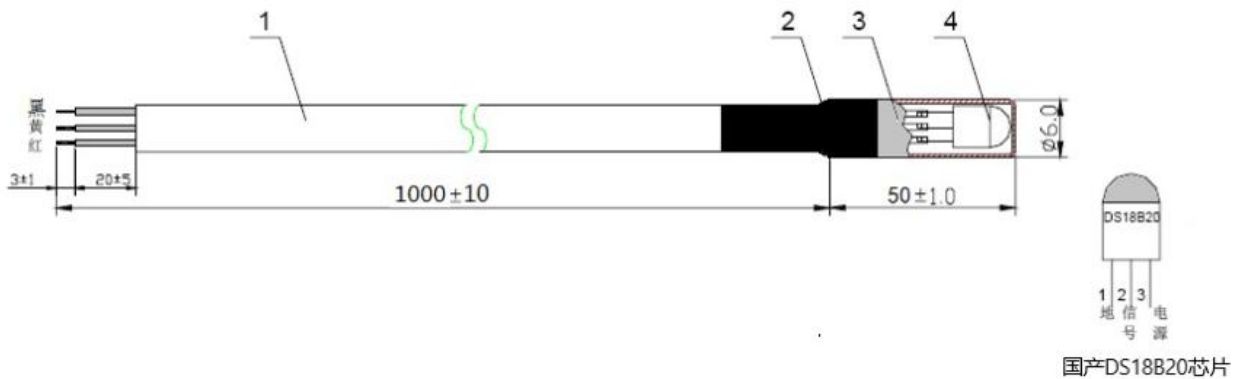


国产 DS18B20 数字型温度传感器主要技术参数 (The Main Technical Parameter Of DS18B20 Temperature sensor)

型号：ELSZ-DS18B20-26H3CL1000 黑色

产品外观示意图

单位：mm



包封材料 (Wrapper) :	传感器专用环氧树脂 (2)
外壳材料 (Materials) :	304 不锈钢 (3)
引线: (Down-lead) :	OD3.8MM, 26AWG. 12/0.11 三芯黑色护套线 L=1000mm (1)
数字感温芯片:	全新国产数字测温芯片 T0-92: DS18B20+ (4)
传感器输出线:	红线: VDD+ 黄线: DTAT 黑线: GND
电特性参数 (Electricity Characteristic parameter) :	
工作电压 (V)	DC/3~5.5V
测温范围 (°C)	-55°C~+125°C
测温精度 (°C)	±0.06°C
输出信号形式 (DQ)	数字编码输出
传感器绝缘性能 (500V DC 测试)	单根绝缘电阻 ≥100MΩ
耐压性能 (1500V AC, 5s, 0.5mA)	无击穿
防水等级性能	IP68

文件编码：ZHUOXIN2021031601

Encapsulation material (Wrapper): sensor-specific epoxy resin (2)

Shell material (Materials): 304 stainless steel (3)

Lead wire: (Down-lead): OD3.8MM, 26AWG. 12/0.11 three-core black sheathed wire L=1000mm (1)

Digital temperature sensing chip: Brand new domestic digital temperature measuring chip T0-92: DS18B20+ (4)

Sensor output wire: Red wire: VDD+ Yellow wire: DTAT Black wire: GND

Electricity Characteristic parameter:

Working voltage (V) DC/3~5.5V

Temperature range (° C) -55° C~+125° C

Temperature measurement accuracy (° C) + 0.06° C

Output signal form (DQ) digital coded output

Sensor insulation performance (500V DC test) single insulation resistance $\geq 100M\Omega$

Withstand voltage performance (1500V AC, 5s, 0.5mA) No breakdown

Waterproof performance IP68
