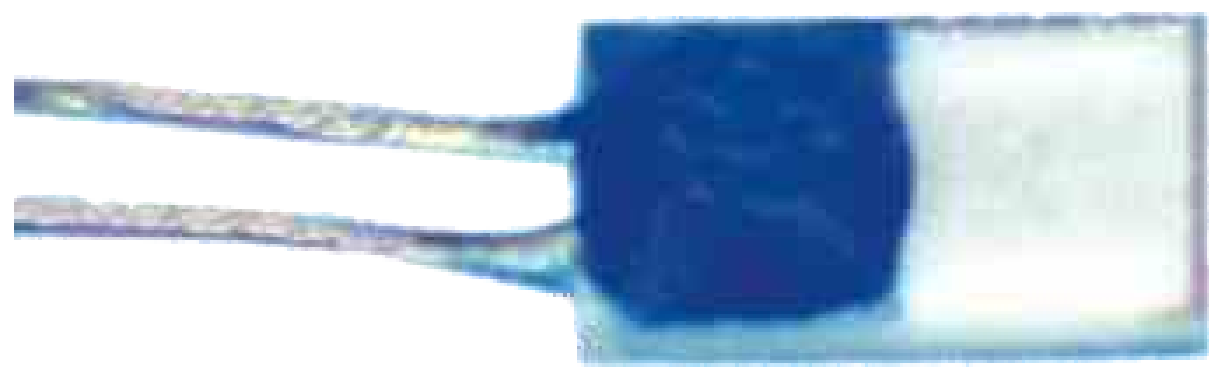


BCM

Temperature & Humidity Sensors



TS500

Pt thin-film temperature sensors

R0 = 100 Ω , 500 Ω , 1000 Ω , 2000 Ω

TCR = 3850 \pm 15 ppm/ $^{\circ}$ C

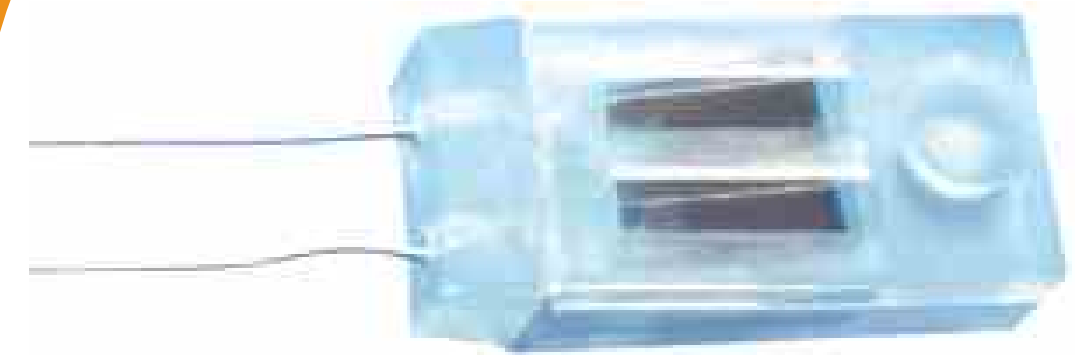
ranges: -50 ~ +400 $^{\circ}$ C

accuracy: \pm 0.05 %, ..., \pm 0.5 %

repeatability: 0.5 %

rated current: 0.5 \pm 0.1 mA

maximum current: 10 \pm 1 mA



HS300

polymer capacitive humidity sensors

C0 = 150 pF

ranges: 0%~100% RH

accuracy: 1 %

operating temp.: -40 ~ +50 $^{\circ}$ C



T1000

T3000

temperature transmitters

Model: T1000

R0 = 100 \pm 0.06 Ω , 1000 \pm 0.6 Ω ,

ranges: -50 ~ +600 $^{\circ}$ C

rated current: \leq 5 mA

response time: < 30 s

isolation resistance: 100 M Ω

Model: T3000

ranges: -50 ~ +600 $^{\circ}$ C

O/P: 4~20 mA, or 1~5V

accuracy: \pm 0.1 %, \pm 0.25 %, \pm 0.5 %

supply: 24Vdc, 12Vdc, or \pm 12Vdc

TCZ: \pm 0.015 %fs/ $^{\circ}$ C

TCS: \pm 0.01 %fs/ $^{\circ}$ C

power consumption: < 0.5 W

explosive proof: Exia II CT6



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