

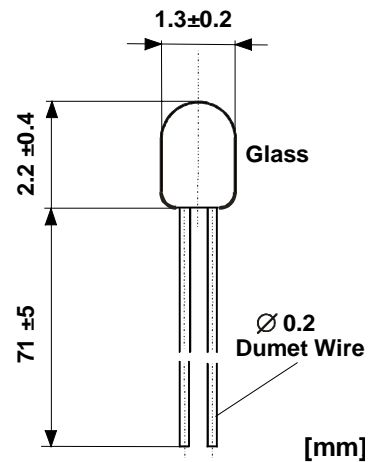
**Data Sheet**
**Application**

Temperature measurement  
for high temperature and  
short response times.

**Version**

NTC-thermistor sealed in glass body.

Dumet wires:  $\varnothing 0.2$  mm  
lead length:  $71 \pm 5$  mm  
head diameter:  $1.3 \pm 0.2$  mm  
head length:  $2.2 \pm 0.4$  mm


**Data**

Climatic Category (IEC 60068-1) : **55/300/56**  
Lower category temperature [ $^{\circ}\text{C}$ ] : **-55**  
Upper category temperature [ $^{\circ}\text{C}$ ] : **300**

Rated resistance  $R_N$  // Tolerance  $\Delta R/R$  :  **$R_N$  [ $\Omega$  // %] : 20000 //  $\pm 1^1$**   
Rated temperature :  **$T_N$  [ $^{\circ}\text{C}$ ] : 25**

B-value :  $B_{(0/100)}$  // Tolerance  $\Delta B/B$  :  **$B_N$  [K//%]: 3970 //  $\pm 1$**   
 $R_{25}$  : **[ $\Omega$ ]: 20000**

Dissipation factor (air) :  **$\delta_{th}$  [mW/K] : approx. 0.75**  
Thermal time constant (air) :  **$\tau_C$  [s] : approx. 7.0**  
Heat capacity :  **$C_{th}$  [mJ/K] : approx. 5.0**

**Remarks**

<sup>1)</sup> +: F for  $\Delta R/R_N = \pm 1\%$ ; standard dumet wires  
H for  $\Delta R/R_N = \pm 3\%$ ; standard dumet wires  
J for  $\Delta R/R_N = \pm 5\%$ ; standard dumet wires

F2 for  $\Delta R/R_N = \pm 1\%$ ; dumet wires, Ni-plated  
H2 for  $\Delta R/R_N = \pm 3\%$ ; dumet wires, Ni-plated  
J2 for  $\Delta R/R_N = \pm 5\%$ ; dumet wires, Ni-plated

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