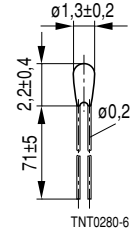


**Applications**

- Automotive electronics
- Industrial electronics
- Home appliances

**Features**

- Glass-encapsulated, heat-resistive and highly stable
- For temperature measurement up to 300 °C
- Fast response
- Small dimensions
- Leads: dumet wires (copper-clad FeNi)


 Dimensions  
in mm

**Options**

Leads: nickel-plated wires

**Delivery mode**

Bulk

Climatic category (IEC 60068-1)		55/300/56	
Max. power at 25 °C	$P_{25}$	32	mW
Resistance tolerance	$\Delta R_N/R_N$	$\pm 1 \%, \pm 3 \%, \pm 5 \%$	
Rated temperature	$T_N$	25	°C
Dissipation factor (in air)	$\delta_{th}$	approx. 0,75	mW/K
Thermal cooling time constant (in air)	$\tau_c$	approx. 7	s
Heat capacity	$C_{th}$	approx. 5	mJ/K

$R_{25}$	No. of R/T characteristic	$B_{25/85}$	$B_{0/100}$	$B_{25/100}$	Ordering code
$\Omega$		K	K	K	
2 k	8401	3420	$3390 \pm 1 \%$	3436	B57550G0202+
5 k	8402	3480	$3450 \pm 1 \%$	3497	B57550G0502+
10 k	8407	3480	$3450 \pm 1 \%$	3497	B57550G0103+
20 k	8415	3992	$3970 \pm 1 \%$	4006	B57550G0203+
30 k	8415	3992	$3970 \pm 1 \%$	4006	B57550G0303+
50 k	8403	3992	$3970 \pm 1 \%$	4006	B57550G0503+
100 k	8404	4066	$4036 \pm 1 \%$	4085	B57550G0104+
230 k	8405	4240	$4537 \pm 1 \%^{1)}$	4264	B57550G0234+
1400 k	8406	4557	$5133 \pm 2 \%^{2)}$	4581	B57550G0145+

+: F000 for  $\Delta R_N/R_N = \pm 1 \%$ ;      F002 for  $\Delta R_N/R_N = \pm 1 \%$  for nickel-plated wires  
 H000 for  $\Delta R_N/R_N = \pm 3 \%$ ;      H002 for  $\Delta R_N/R_N = \pm 3 \%$  for nickel-plated wires  
 J000 for  $\Delta R_N/R_N = \pm 5 \%$ ;      J002 for  $\Delta R_N/R_N = \pm 5 \%$  for nickel-plated wires

1)  $B_{100/200}$   
 2)  $B_{200/300}$

**Reliability data**

Test	Standard	Test conditions	$\Delta R_{25}/R_{25}$ (typical)	Remarks
Storage in dry heat	IEC 60068-2-2	Storage at upper category temperature <i>T</i> : 300 °C <i>t</i> : 1000 h	< 3 %	No visible damage
Storage in damp heat, steady state	IEC 60068-2-3	Temperature of air: 85 °C Relative humidity of air: 85 % Duration: 56 days	< 2 %	No visible damage
Rapid temperature cycling	IEC 60068-2-14	Lower test temperature: – 55 °C Upper test temperature: 200 °C Number of cycles: 1000	< 2 %	No visible damage

zuholen.

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