



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Applications

- Automotive electronics
- Industrial electronics
- Home appliances

Features

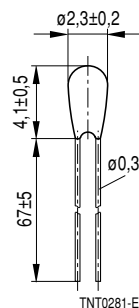
- Glass-encapsulated, heat-resistive and highly stable
- For temperature measurement up to 300 °C
- Fast response
- Leads: dumet wires (copper-clad FeNi)

Options

Leads: nickel-plated wires

Delivery mode

Bulk



Dimensions
in mm

Climatic category (IEC 60068-1)		55/300/56	
Max. power at 25 °C	P_{25}	50	mW
Resistance tolerance	$\Delta R_N/R_N$	$\pm 1\%, \pm 3\%, \pm 5\%$	
Rated temperature	T_N	25	°C
Dissipation factor (in air)	δ_{th}	approx. 1,3	mW/K
Thermal cooling time constant (in air)	τ_c	approx. 15	s
Heat capacity	C_{th}	approx. 20	mJ/K

R_{25}	No. of R/T characteristic	$B_{25/85}$	$B_{0/100}$	$B_{25/100}$	Ordering code
Ω		K	K	K	
2 k	8401	3420	$3390 \pm 1\%$	3436	B57560G0202+
5 k	8402	3480	$3450 \pm 1\%$	3497	B57560G0502+
10 k	8407	3480	$3450 \pm 1\%$	3497	B57560G0103+
20 k	8415	3992	$3970 \pm 1\%$	4006	B57560G0203+
30 k	8415	3992	$3970 \pm 1\%$	4006	B57560G0303+
50 k	8403	3992	$3970 \pm 1\%$	4006	B57560G0503+
100 k	8404	4066	$4036 \pm 1\%$	4085	B57560G0104+
230 k	8405	4240	$4537 \pm 1\%$ ¹⁾	4264	B57560G0234+
1400 k	8406	4557	$5133 \pm 2\%$ ²⁾	4581	B57560G0145+

+: 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 T: 300 °C t: 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

Herausgegeben von EPCOS AG

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Published by EPCOS AG

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This brochure replaces the previous edition.

For questions on technology, prices and delivery please contact the Sales Offices of EPCOS AG or the international Representatives.

Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our Sales Offices.