

SMD NTC Thermistor

SMD NTC Thermistor with Ni-Barrier Termination

B57621C5472*062

Preliminary Data sheet

FOR INFORMATION ONLY

Applications

- Temperature measurement and compensation for mobile phone applications (e.g. battery pack, TCXO, LCD display), automotive and data systems

Features

- Standard EIA chip size 1206
- SMD NTC with Ni - Barrier termination (Ag/Ni/Sn)
- The component is compliant with ROHS (DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment)
- Suitable for lead-free soldering process

Electrical Specifications

Part Number	Zero-Power Resistance (at 25°C)	B _{25/100}	B _{25/85}	B _{25/50}
B57621C5472*062	4,7 kΩ	3520 K ± 3%	(3500 K)	(3430 K)

* = Resistance Tolerance: J for $\Delta R/R_{25} = \pm 5\%$
 K for $\Delta R/R_{25} = \pm 10\%$
 M for $\Delta R/R_{25} = \pm 20\%$

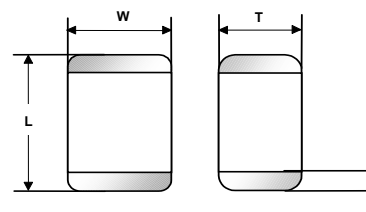
Climatic Category (IEC 60068-1)	55/125/21
Lower category temperature	-55°C
Higher category temperature	125°C
Power rating at 25°C	P ₂₅ 300mW¹⁾
Dissipation factor (on PCB)	G _{th} approx. 5.0 mW/K¹⁾
Thermal cooling time constant (on PCB)	T _{th} approx. 10 s¹⁾
Heat capacity	C _{th} approx. 50 mJ/K¹⁾
Weight of component	approx. 18 mg

¹⁾ Depends on mounting situation

Part Dimensions

Type	L	W	T	k
1206	3.2±0.2	1.6±0.2	1.3 max.	0.5±0.25

Dimensions in mm



Termination Ag/Ni/Sn Dimensions in [mm]

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