

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 $\Delta R/R_{25} = \pm 20\%$

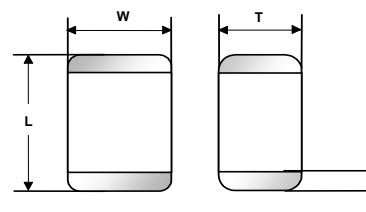
Climatic Category (IEC 60068-1)	55/125/21
Lower category temperature	-55°C
Higher category temperature	125°C
Power rating at 25°C	P ₂₅ 300mW¹⁾
Dissipation factor (on PCB)	G _{th} approx. 5.0 mW/K¹⁾
Thermal cooling time constant (on PCB)	T _{th} approx. 10 s¹⁾
Heat capacity	C _{th} approx. 50 mJ/K¹⁾
Weight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

© EPCOS AG 2005. Reproduction, publication and dissemination of this data sheet, enclosures hereto and the information contained therein without EPCOS' prior express consent is prohibited.

Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.

ISSUE DATE	27.06.05	ISSUE	P1	PUBLISHER	KB S PE	PAGE	1/1
------------	----------	-------	----	-----------	---------	------	-----