

CSG Series

Glass Encapsulated Type for Temperature Sensing



◆ Product Introduction

The Axial Glass Encapsulated NTC Thermistor is a sensitive component primarily made of metal oxides, manufactured using ceramic processes, and possessing a Negative Temperature Coefficient characteristic. Pins are drawn from both symmetrical ends of the NTC chip, which is then encapsulated in glass, forming an axial lead structure.

◆ Features

1. Good stability, high reliability
2. Wide resistance range, high accuracy
3. Operating temperature range: $-55^{\circ}\text{C} \sim +250^{\circ}\text{C}$
4. Suitable for use in harsh environments like high temperature and high humidity
5. Small size, lightweight
6. Sturdy structure, facilitating automated installation
7. Fast thermal response, high sensitivity

◆ Applications

1. Home appliances
2. Office automation equipment
3. Mobile phone batteries, Battery packs
4. Instrument coils, Integrated circuits

◆ Coding principles

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16					
Product Type		Resistance (3-digit code, 1 digit identifies decimal places)				Resistance Tolerance		B Value			B Value Tolerance		B Value Calculation Method	Package Type		Body Dimensions		Total Length		
CG	Cvilux Cvilux Grass sealed resistor	103	10KΩ			F	±1%	3435	3435K		F	±1%	A	B _{25/85}	R	radial	A	1.6mm	A	28mm
		502	5KΩ			G	±2%	3800	3800K		G	±2%	B	B _{25/50}	A	axial				
		103A	10.75KΩ			H	±3%	3950	3950K		H	±3%								
						J	±5%	4250	4250K		J	±5%								

◆ Structure and dimensions

