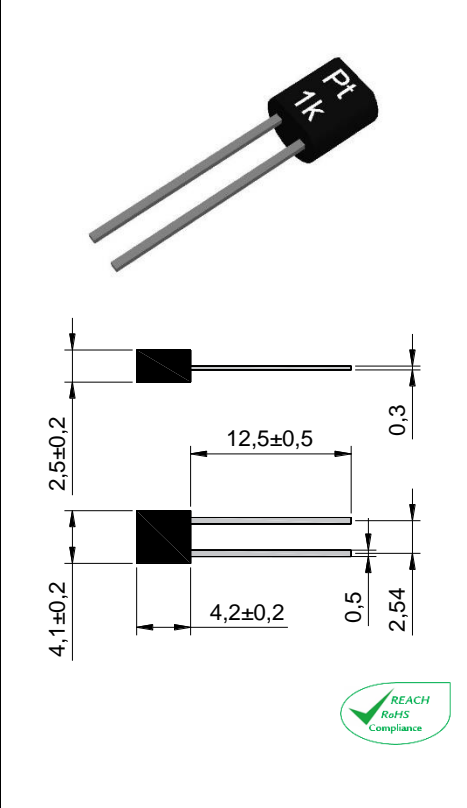


Platinum-Resistance-Temperature-Detector: CRT092 Series

The PRTD in a plastic housing is defined by its standardized signal in accordance with DIN EN 60751 (based on IEC 751), ensuring interchangeability, excellent long-term stability, and high accuracy. It provides an optimal price-performance ratio, making it ideal for high-volume applications such as automotive, domestic appliances, and industrial equipment.

Type	CRT092 Series			
Operating temperature range	-50°C ... +150°C			
Tolerance validity range IEC 60751	B	F 0.3	-50°C ... +150°C	
Resistance value	Pt100 Pt1000			
Measuring/maximum current	Pt100: 1 mA ... 7 mA Pt1000: 0.1 mA ... 1 mA			
Temperature coefficient	3850 ppm/K			
Long-term stability	max. R ₀ -Drift 0.05 % / year			
Storing information	≤ 1 year (in dry environments) for best solderability			
Note	Other tolerances and values of resistance are available on request.			

Available models				
Temperature sensor		Lead wire	Tolerance class	
Type	R ₀ /Ω	Material	B	2B
CRTO92-100	100	Tin plated copper	●	○
CRTO92-1000	1000		●	○

Customized versions on request, e.g. other wire lengths, insulation, dimensions,...

Dimensions in mm

Self-heating coefficients and response times				
Type	Self-heating coefficient E in K/mW		Response times in seconds	
	Air (v = 1 m/s)		in water (v = 0.4 m/s)	in Air (v = 1 m/s)
			t _{0.9}	t _{0.9}
CRTO92-100	0.4		2.0	26
CRTO92-1000	0.2		2.0	26

Preliminary data sheet. Changes are possible at any time