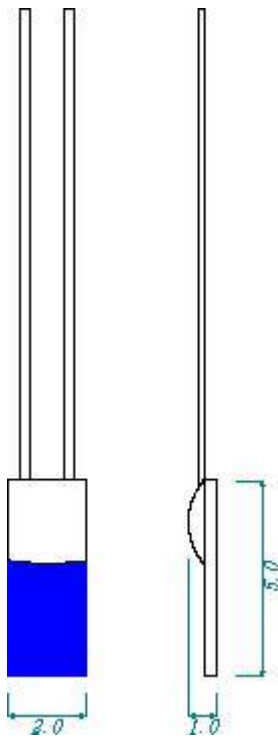


PLATINUM THIN FILM RTD ELEMENT: CRZ-2005-100

1. Actual resistance values at 0 °C are inspected and printed on the bags for reliability. Therefore, you can recognize those at a glance.
2. The thin film RTD element achieved low cost due to the mass production system.
3. The sputtered platinum layer improves the vibration and shock resistance compared with wire wound types.
4. The stability is excellent at even high temperature due to the construction.
5. The element is a RoHS compliant product.

PRODUCT CODE	CRZ-2005-100			
CLASS	1/3B, A, B, 2B			
TEMP. RANGE	1/3B	-20 to 250 °C		
	A	-40 to 400 °C		
	B	-70 to 500 °C		
	2B	-70 to 500 °C		
DIMENSION (mm) (W×L×H)	2.0×5.0×1.0			
THE NUMBER OF ELEMENT	SINGLE			
RESISTANCE VALUE	Pt 100			
MEASUREMENT CURRENT	LESS THAN 1 mA			
LEAD WIRE'S MATERIAL	Au-Plated Nickel			
LEAD WIRE'S DIMENSION (mm) (W×H×L)	0.25×0.15×12			
TEMPERATURE COEFFICIENT RESISTANCE (TCR)	0.003851			
STABILITY	200°C, 1000 hour	ΔR0 < ±0.02%		
	400°C, 1000 hour	ΔR0 < ±0.04%		
RESPONSE TIME (90% RESPONSE)	AIR		WATER	
	V=1.0 m/s	V=3.0 m/s		
	16	11	0.3	
SELF HEATING	Condition	Self-Heating/ deg. C		
		0.5mA	1mA	(2mA)*
	Still Air without MgO	-	0.08	0.47
With MgO Powder	-	0	0.07	



*2mA for 100Ω is out of standard