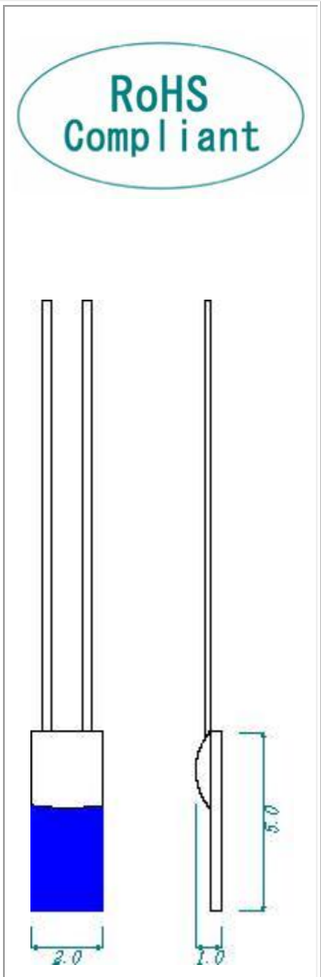
PLATINUM THIN FILM RTD ELEMENT: CRZ-2005-1000

1.Actual resistance values at 0 ℃ are inspected and printed on the bags for reliavility. 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-2005-1000**	
CLASS	**1/3B, A, B, 2B**	
TEMP. RANGE	**1/3B**	**-20 to 250 ℃**
	A	**-40 to 400 ℃**
	B	**-70 to 500 ℃**
	2B	**-70 to 500 ℃**
DIMENSION (mm) (W×L×H)	**2.0×5.0×1.0**	
THE NUMBER OF ELEMENT	**SINGLE**	
RESISTANCE VALUE	**Pt 1000**	
MEASUREMENT CURRENT	**LESS THAN 0.5 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℃, 1000 hour	ΔR0 < ±0.02%
	400℃, 1000 hour	ΔR0 < ±0.04%

RESPOSE 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	0.23	1.08	4.46
	With MgO Powder	0	0.14	0.71



*1mA and 2mA for 1000Ω is out of standard