

Product	Tantalum chip capacitor	Series	TCT series PL case
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Factory	ROHM APOLLO CO.,LTD.
	ROHM INTEGRATED SYSTEMS(THAILAND)CO.,LTD.

## 1. Test result

No.	Item	Test condition	Standard	n[pcs] Sample QTY.	Pn[pcs] NG QTY.															
1	Resistance to soldering heat	Dip in the solder bath. Solder temp. : 260±10°C Duration : 5±0.5s Repetition : 1time After the spesimens,leave it at room temperature for over 24h and then measure the sample.	As per 4.14 JIS C 5101-1 As per 4.6 JIS C 5101-3	22	0															
2	Temperature cycle	Repetition : 5cycles (1cycle : steps1~4) Without discontinuation. <table border="1" data-bbox="464 898 892 1068"> <thead> <tr> <th></th> <th>Temperature</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-55±3°C</td> <td>30±3min</td> </tr> <tr> <td>2</td> <td>Room temp.</td> <td>3min or less</td> </tr> <tr> <td>3</td> <td>125±2°C</td> <td>30±3min</td> </tr> <tr> <td>4</td> <td>Room temp.</td> <td>3min or less</td> </tr> </tbody> </table> After the spesimens,leave it at room temperature for over 24h and then measure the sample.		Temperature	Time	1	-55±3°C	30±3min	2	Room temp.	3min or less	3	125±2°C	30±3min	4	Room temp.	3min or less	As per 4.16 JIS C 5101-1 As per 4.10 JIS C 5101-3	22	0
	Temperature	Time																		
1	-55±3°C	30±3min																		
2	Room temp.	3min or less																		
3	125±2°C	30±3min																		
4	Room temp.	3min or less																		
3	Moisture resistance	After leaving the sample under such atmospheric condition that the temperature and humidity are 60±2°C and 90~95%(Relative Humidity) , respectively ,for 500±24h leave it at room temperature for over 24h and then measure the sample.	As per 4.22 JIS C 5101-1 As per 4.12 JIS C 5101-3	22	0															
4	Loading at high temperature	After applying the rated voltage for 1000+36/0h without discontinuation via the serial resistance of 3Ωor less at a temperature of 85±2°C , leave the sample at room temperature/ humidity for over 24h and measure the value.	As per 4.23 JIS C 5101-1 As per 4.15 JIS C 5101-3	22	0															

## 2.Failure criteria

No.	Test item	Performance	
1	Resistance to soldering heat	Appearance	There should be no significant abnormality.The indications should be clear.
		L.C.	Less than initial limit.
		$\Delta C/C$	Within $\pm 20\%$ of initial value
		$\tan\delta$	Less than 200% of initial limit.
2	Temperature cycle	Appearance	There should be no significant abnormality.The indications should be clear.
		L.C.	Less than 200% of initial limit.
		$\Delta C/C$	Within $\pm 20\%$ of initial value
		$\tan\delta$	Less than 200% of initial limit.
3	Moisture resistance	Appearance	There should be no significant abnormality.The indications should be clear.
		L.C.	Less than 200% of initial limit.
		$\Delta C/C$	Within $\pm 20\%$ of initial value
		$\tan\delta$	Less than 200% of initial limit.
4	Loading at high temperature	Appearance	There should be no significant abnormality.The indications should be clear.
		L.C.	Less than 200% of initial limit.
		$\Delta C/C$	Within $\pm 20\%$ of initial value
		$\tan\delta$	Less than 200% of initial limit.

## 3.Judgment

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## Notes

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