

Product

Conductive polymer type capacitor

Series TCSO series PL case

Factory ROHM APOLLO CO.,LTD. ROHM INTEGRATED SYSTEMS(THAILAND)CO.,LTD.

1.Test result

	st result			n[pcs]	Pn[pcs]
No.	Item	Test condition	Standard	Sample	NG
				QTY.	QTY.
	Resistance to soldering heat	Dip in the solder bath. Solder temp. :240±5℃	As per 4.14 JIS C 5101-1 As per 4.6 JIS C 5101-3		
1	soluening near	Duration : 10±0.5s	As per 4.0 313 C 5101-3		
		Repetition : 1time		22	0
-		After the spesimens, leave it at room			Ū.
		temperature for over 24h and then			
		measure the sample.			
	Temperature	Repetition : 5cycles	As per 4.16 JIS C 5101-1		
	cycle	(1cycle : steps1~4)	As per 4.10 JIS C 5101-3		
		Without discontinuation.			
		Temperature Time 1 -55±3°C 30±3min			
		2 Room temp. 3min or less			
2		3 105±2°C 30±3min		22	0
		4 Room temp. 3min or less			
		After the spesimens, leave it at room			
		temperature for over 24h and then			
		measure the sample.			
	Moisture	After leaving the sample under such	As per 4.22 JIS C 5101-1		
	resistance	atmospheric condition that the temperature and humidity are	As per 4.12 JIS C 5101-3		
3		$40\pm2^{\circ}$ C and $90\sim95\%$ (Relative Humidity),		22	0
Ŭ		respectively, for 500±14h leave it at room		~~~	Ū
		temperature for over 24h and then			
		measure the sample.			
	Loading at	After applying the rated voltage for	As per 4.23 JIS C 5101-1		
4	high	1000+72/0h without discontinuation	As per 4.15 JIS C 5101-3		
	temperature	via the serial resistance of 3Ω or less		00	
		at a temperature of 85±2°C, leave		22	0
		the sample at room temperature/ humidity for over 24h and measure			
		the value.			

TCSO series PL case

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 300% of initial limit.			
		⊿c/c	Within ±20% of initial value			
		tanδ	Less than 300% of initial limit.			
2	Temperature cycle	Appearance	There should be no significant abnormality. The indications should be clear.			
		L.C.	Less than 1000% of initial limit.			
		⊿c/c	Within ±20% of initial value			
		tanδ	Less than 300% of initial limit.			
	Moisture resistance	Appearance	There should be no significant abnormality. The indications should be clear.			
3		L.C.	Less than 300% of initial limit.			
		⊿c/c	Within +30/-20% of initial value			
		tanδ	Less than 300% of initial limit.			
4	Loading at high temperature	Appearance	There should be no significant abnormality. The indications should be clear.			
		L.C.	Less than 400% of initial limit.			
		⊿c/c	Within ±20% of initial value			
		tanδ	Less than 300% of initial limit.			

2.Failure criteria

3.Judgment

OK

Notes							
1)	The information contained herein is subject to change without notice.						
2)	Before you use our Products, please contact our sales representative and verify the latest specifica- tions :						
3)	Although ROHM is continuously working to improve product reliability and quality, semicon- ductors can break down and malfunction due to various factors. Therefore, in order to prevent personal injury or fire arising from failure, please take safety measures such as complying with the derating characteristics, implementing redundant and fire prevention designs, and utilizing backups and fail-safe procedures. ROHM shall have no responsibility for any damages arising out of the use of our Poducts beyond the rating specified by ROHM.						
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