

AEC-Q200 Qualified Reliability Test Report



試驗項目：板彎曲試驗

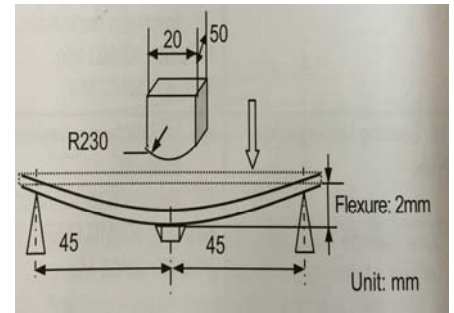
Test Method: AEC-Q200-005

試驗目的：驗證產品在正常組裝能否承受彎曲強度和所受到的作用力

設備工具：推拉力機

試驗方法、流程：

1. 按實驗條件進行測試試驗
2. 實驗完成後比較產品前後的外觀狀況及電感變化率



試驗結果：

實驗數量	破裂不良		電極剝落		短路不良		總不良		Result
	Qty	Rate	Qty	Rate	Qty	Rate	Qty	Rate	
30	0	0.00%	0	0.00%	0	0.00%	0	0.00%	PASS

試驗項目	驗證特性			
測試頻率	100KHZ			
測量項目	L			
規格	L:11+50%/-30%			
單位	uH			
測量儀器	E4991A			
序號	Initial Value	Final Value	Deviation	Result
1	12.84	12.98	1.09%	PASS
2	13.35	13.45	0.75%	PASS
3	12.88	12.87	-0.08%	PASS
4	12.90	12.98	0.62%	PASS
5	13.08	12.86	-1.72%	PASS
6	12.42	12.73	2.46%	PASS
7	12.22	12.33	0.86%	PASS
8	12.66	13.00	2.65%	PASS
9	13.35	13.36	0.04%	PASS
10	12.74	12.98	1.84%	PASS
11	13.02	13.09	0.50%	PASS

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12	13.08	12.86	-1.72%	PASS
13	13.08	12.86	-1.72%	PASS
14	12.66	13.00	2.65%	PASS
15	13.35	13.36	0.04%	PASS
16	13.12	13.25	0.99%	PASS
17	12.76	12.99	1.80%	PASS
18	12.82	12.94	0.94%	PASS
19	12.10	12.03	-0.58%	PASS
20	12.39	12.43	0.32%	PASS
21	12.87	13.00	1.01%	PASS
22	11.84	11.99	1.22%	PASS
23	12.77	12.88	0.82%	PASS
24	12.98	12.77	-1.66%	PASS
25	12.88	12.88	-0.04%	PASS
26	13.07	12.87	-1.53%	PASS
27	13.00	13.10	0.77%	PASS
28	12.22	12.39	1.39%	PASS
29	12.96	12.95	-0.08%	PASS
30	12.76	12.85	0.71%	PASS
Mean	12.806	12.865	0.46%	PASS
Max.	13.350	13.450	0.75%	PASS
Min.	11.840	11.985	1.22%	PASS
備註/Remark:	實驗結果 all pass			