

AMOTECH HIGH Q MLCC
- A80B SERIES

AUG. 20TH , 2019

AMOTECH

AMO High Q MLCC Line up – A80B series

AMO AMOTECH

➢ 500V, 1111 inch / 2828 mm, Capacitance range 0.1 ~ 100pF

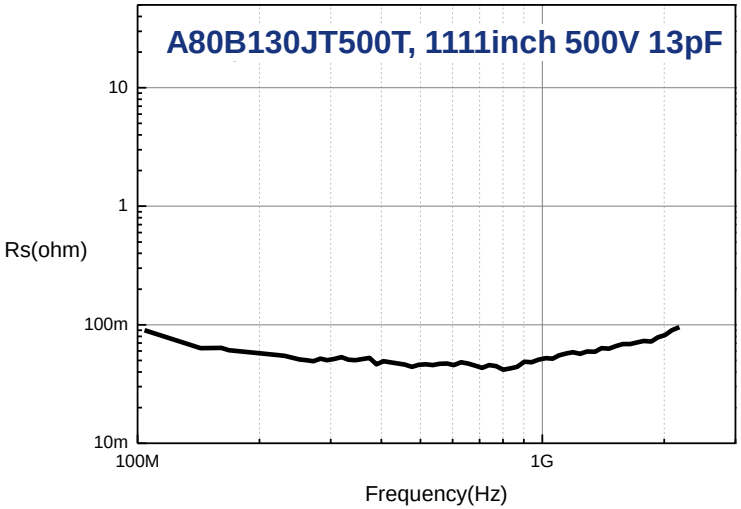
Value (pF)	Cap Code	Tolerance	Rated Voltage
0.1	0R1	B	500V
0.2	0R2	B	
0.3	0R3	B,C	
0.4	0R4	B,C	
0.5	0R5	B,C,D	500V
0.6	0R6	B,C,D	
0.7	0R7	B,C,D	
0.8	0R8	B,C,D	
0.9	0R9	B,C,D	500V
1.0	1R0	B,C,D	
1.1	1R1	B,C,D	
1.2	1R2	B,C,D	
1.3	1R3	B,C,D	500V
1.5	1R5	B,C,D	
1.6	1R6	B,C,D	
1.8	1R8	B,C,D	
2.0	2R0	B,C,D	500V
2.2	2R2	B,C,D	
2.4	2R4	B,C,D	
		B,C,D	

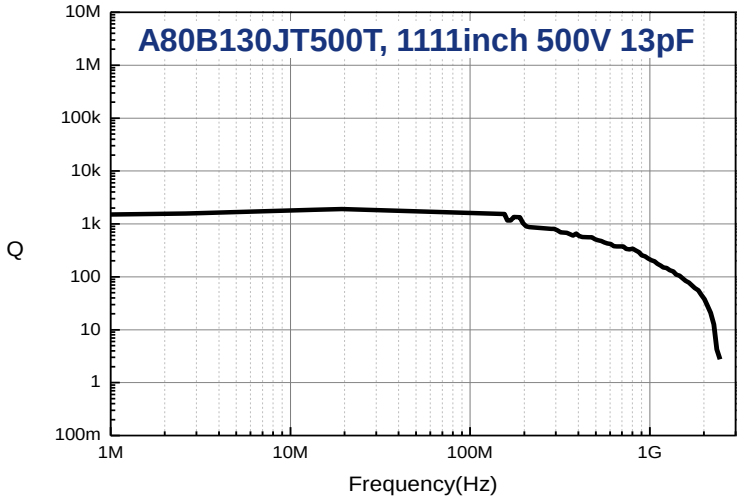
Value (pF)	Cap Code	Tolerance	Rated Voltage(V)
2.7	2R7	B,C,D	500V
3.0	3R0	B,C,D	
3.3	3R3	B,C,D	
3.6	3R6	B,C,D	
3.9	3R9	B,C,D	500V
4.3	4R3	B,C,D	
4.7	4R7	B,C,D	
5.1	5R1	B,C,D	
5.6	5R6	B,C,D	500V
6.2	6R2	B,C,D	
6.8	6R8	B,C,J,K,M	
7.5	7R5	B,C,J,K,M	
8.2	8R2	B,C,J,K,M	500V
9.1	9R1	B,C,J,K,M	
10	100	F,G,J,K,M	
11	110	F,G,J,K,M	
12	120	F,G,J,K,M	500V
15	150	F,G,J,K,M	
18	180	F,G,J,K,M	

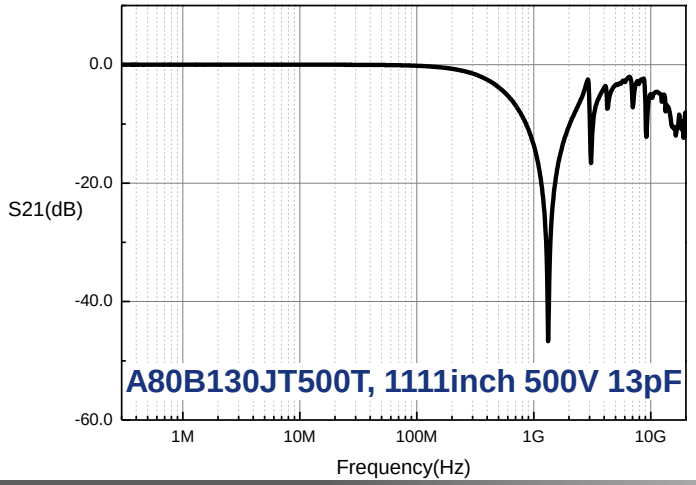
Value (pF)	Cap Code	Tolerance	Rated Voltage(V)
20	200	F,G,J,K,M	500V
22	220	F,G,J,K,M	
24	240	F,G,J,K,M	
27	270	F,G,J,K,M	
30	300	F,G,J,K,M	500V
33	330	F,G,J,K,M	
36	360	F,G,J,K,M	
39	390	F,G,J,K,M	
43	430	F,G,J,K,M	500V
47	470	F,G,J,K,M	
51	510	F,G,J,K,M	
56	560	F,G,J,K,M	
62	620	F,G,J,K,M	500V
68	680	F,G,J,K,M	
75	750	F,G,J,K,M	
82	820	F,G,J,K,M	
91	910	F,G,J,K,M	500V
100	101	F,G,J,K,M	

Characteristics of Q, ESR

Q, ESR, Frequency Response,







Reliability Test

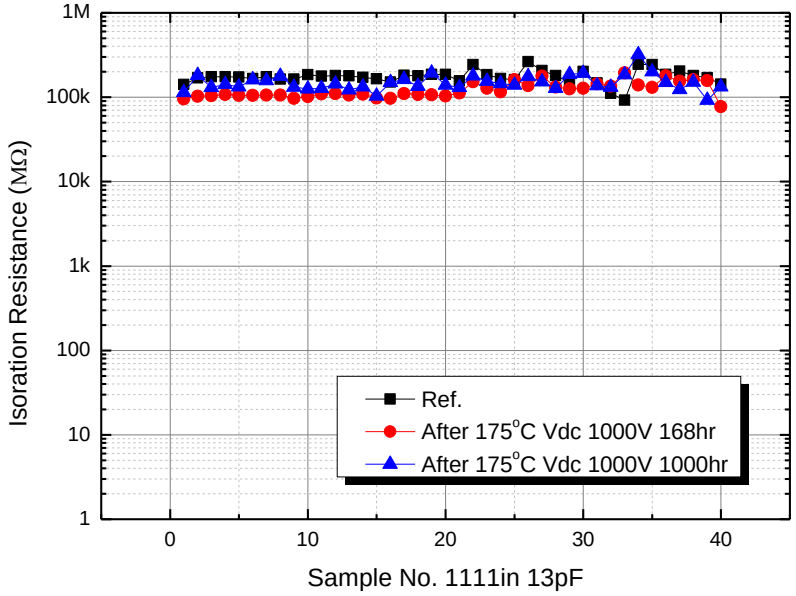
Item	Test Conditions			
	Temperature (℃)	Humidity (%)	Vdc (V)	Time (hr)
High Temperature Bias Test (HTB)	175	-	1,000 (=Rated volt. X2)	168/1000
Temperature & Humidity Bias Test (THB)	85	85	500 (=Rated volt.)	168/1000

Spec.
IR (Insulation Resistance) : 10^4MΩ Min.
Cp (Capacitance) : In each capacitors capacitance tolerances

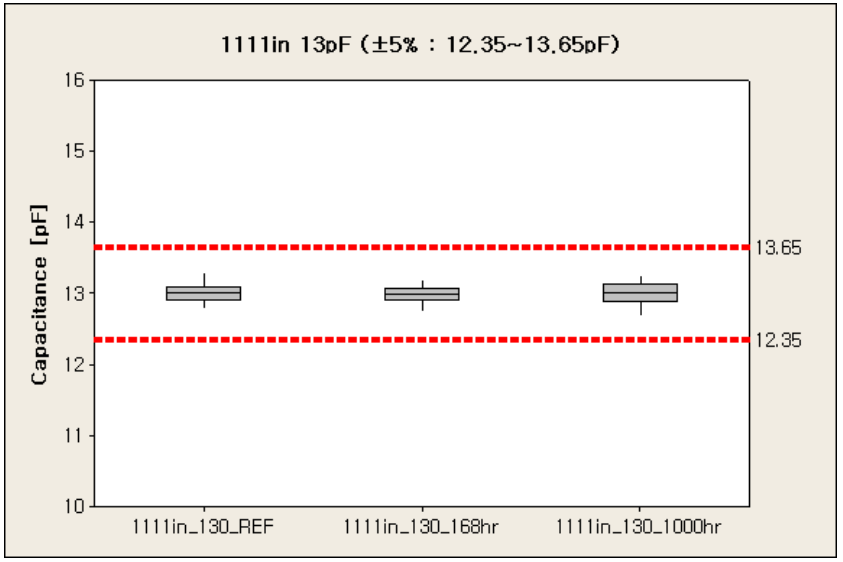
Reliability Test Result

HIGH TEMP. BIAS TEST : 175℃, 1000V
TEST MODEL : 1111inch / 2828mm 13pF

INSULATION RESISTANCE



CAPACITANCE CHANGE

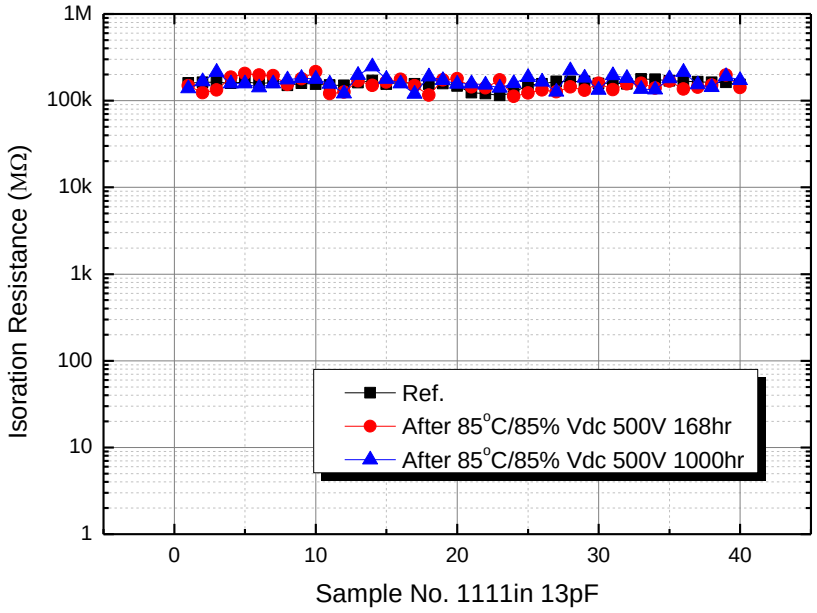


There is no significant change after the test.

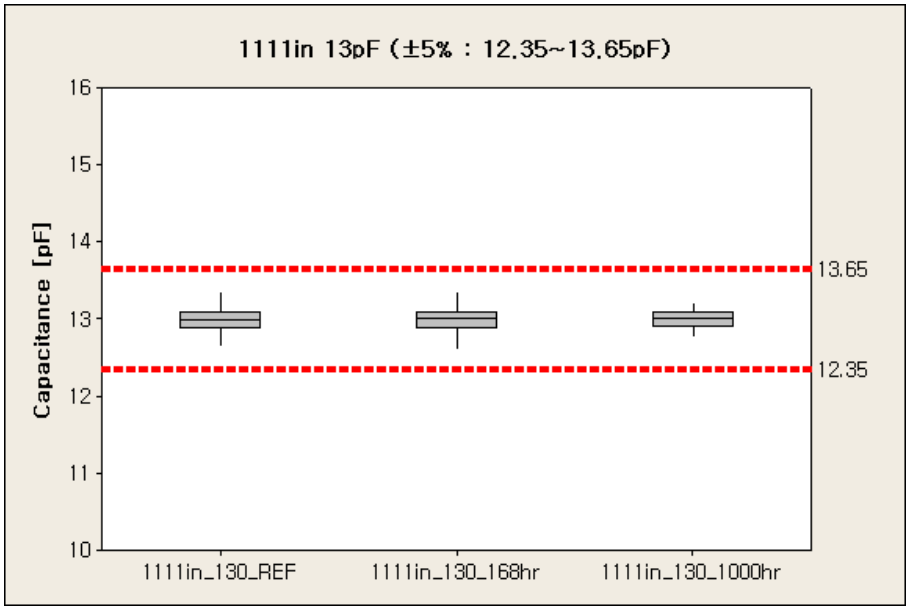
Reliability Test Result

HUMIDITY TEST : 85℃, 85%, 500V
TEST MODEL : 1111inch / 2828mm 13pF

INSULATION RESISTANCE



CAPACITANCE CHANGE



There is no significant change after the test.