No. U26E010143
Date October 30, 2026

Messrs.

Multilayer ceramic capacitors

Reliable data

Design Group
Products R&D Department Ⅲ
R&D Headquarters

Manager: S. Sasaki

In charge: S. Mita

Nippon Chemi-Con Corporation

U26E010143 (1/1)

To Whom It May Concern

October 30, 2026

Chemi-Con Device Corporation
(Nippon Chemi-Con Corporation Group)
President and Representative Director
Satoru Tsumeda

Request for Changeover Due to Standardization of Terminal Shape for Metal-Cap Type Multilayer Ceramic Capacitors (NTJ Series)

Dear Valued customers,

We would like to inform you regarding the matter noted above.

We kindly ask for your cooperation in proceeding with the changeover (standardization) of the terminal shape specifications for the applicable series as described below.

Sincerely,

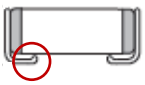
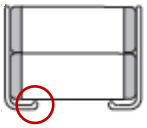
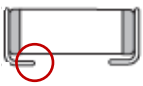
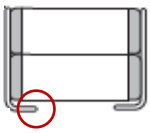
Details

1. Applicable Products

Metal-cap type multilayer ceramic capacitors (NTJ Series)　[Note: KVJ Series (metal-cap type) is excluded.]

2. Details of Change

We will proceed with integration and standardization to the terminal shape specifications shown below, which are already used in another series currently in mass production.

	Current Product (Before Change)	**Changed Product**
Series Name	NTJ Series (series name remains unchanged)	
Terminal Shape	With bend (see figure below)	**Without bend** (see figure below)
Part Number Terminal Code (Number of Elements) and Shape Diagram	AF (1 element)  BF (2 elements) 	**AR** (1 element)  **BR** (2 elements) 
Other	There will be no changes to electrical characteristics, vibration resistance, mechanical characteristics, external shape and dimensions, recommended land dimensions for soldering, recommended mounting conditions, etc. The terminal shape after the change (without bend) will be the same as that of the similar KVJ Series already in mass production.	

3. Part Number of Changed Product

KTJ***B***M***R*00 (only the 15th digit changes from F to "R"; all other digits remain unchanged from the current product)

4. Timing of Changeover to Changed Product

We kindly ask that all future orders are changed over to the Changed product above.

The discontinuation schedule for the current product (before change) is planned as follows.

Final order date for current product: March 31, 2027

Final shipment date for current product: September 30, 2027

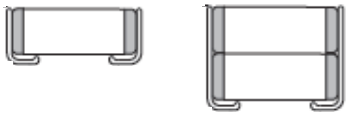
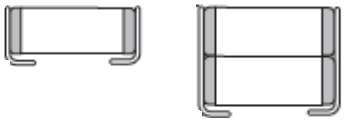
5. Other

If you have any questions regarding this matter, please contact your sales representative at Nippon Chemi-Con Corporation.

End

Characteristic Data

1. Differences Due to Change

Status	Current Product	Changed Product
Terminal Bending	With Terminal Bend	No Terminal Bend
Terminal Codes (Number of Elements)	AF (1 element) BF (2 elements) 	AR (1 element) BR (2 elements) 
Differences Due to the Change	No changes to electrical characteristics, vibration resistance, mechanical characteristics, external dimensions, recommended solder land dimensions, or recommended mounting conditions.	

2. Document Numbers

Description	Current Product	Changed Product
Comparison of Electrical Characteristics (Temperature Cycle) (Representative 5750-size part number)	U26E010143-1	U26E010143-2
Vibration Resistance Comparison (Representative 5750-size part number)	U26E010143-3	U26E010143-4
Comparison of Mechanical Characteristics (Bend strength of the face plating) (5750-size part number with maximum element thickness)	U26E010143-5	
External Appearance and Dimensions Comparison (Representative 5750-size part number)	U26E010143-6	U26E010143-7

End

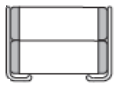
Multilayer Ceramic Capacitor Reliability Data

U26E010143-1

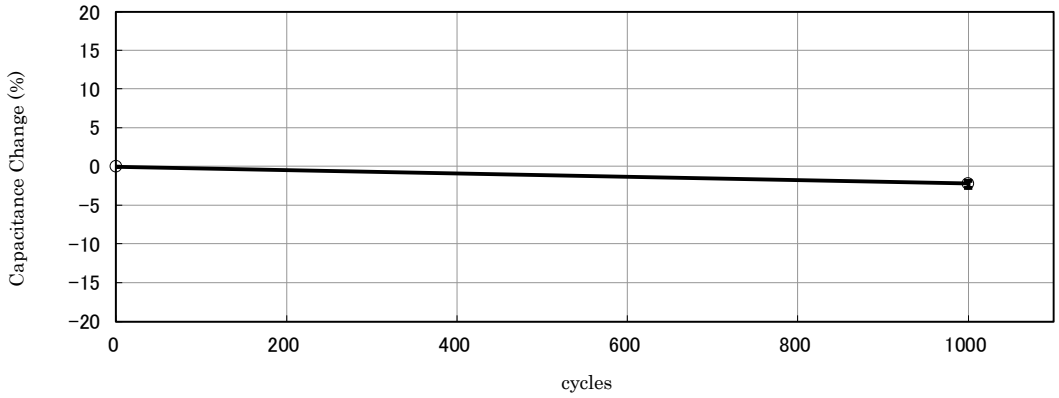
Test Name	Temperature Cycle								
Test temp.[High]	125	(℃)	Insulation Resistance(Volt)	100	(V)	Measurement LCR meter	4284A		
Test temp.[Low]	-55	(℃)	Insulation Resistance(Time)	60	(sec)	Measurement Freq.	1k	(Hz)	
Setting time	each 30	(min)				Measurement Volt.	1	(V)	
Substrate	FR-4[t=1.6mm]					Measurement Temp.	25	(℃)	

MARK	Type	Rated Voltage(V)	Norminal Capacitance(uF)	Size(LxW)mm	Q'ty(pcs)	
○	KTJ101B106M55BFT00	100	10	6.0×5.3	20	

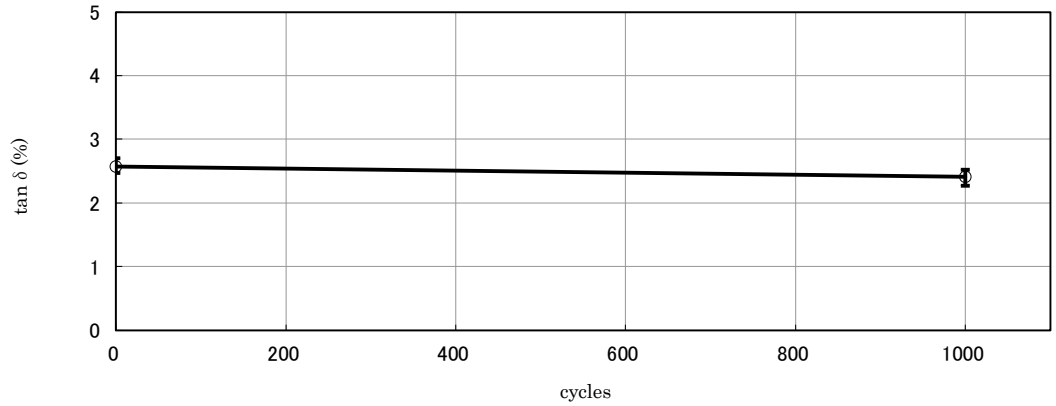
With Terminal Bend



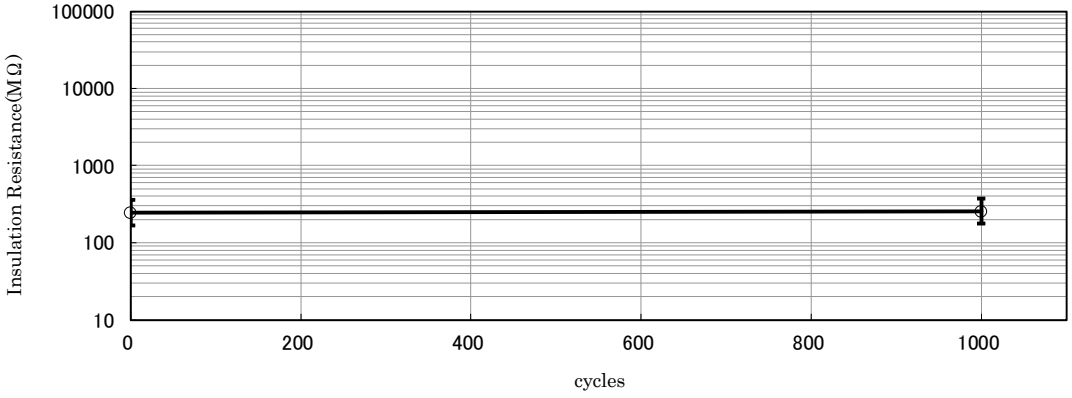
[Criteria] ≦±15% of initial value



[Criteria] 5%max.



[Criteria] 10MΩmin.



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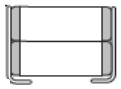
Multilayer Ceramic Capacitor Reliability Data

U26E010143-2

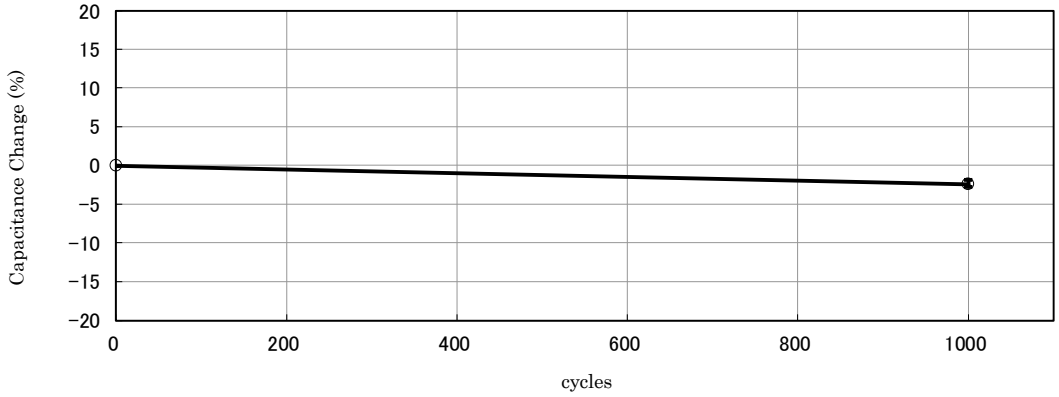
Test Name	Temperature Cycle								
Test temp.[High]	125	(℃)	Insulation Resistance(Volt)	100	(V)	Measurement LCR meter	4284A		
Test temp.[Low]	-55	(℃)	Insulation Resistance(Time)	60	(sec)	Measurement Freq.	1k	(Hz)	
Setting time	each 30	(min)				Measurement Volt.	1	(V)	
Substrate	FR-4[t=1.6mm]					Measurement Temp.	25	(℃)	

MARK	Type	Rated Voltage(V)	Norminal Capacitance(uF)	Size(LxW)mm	Q'ty(pcs)	
○	KTJ101B106M55BRT00	100	10	6.0×5.3	20	

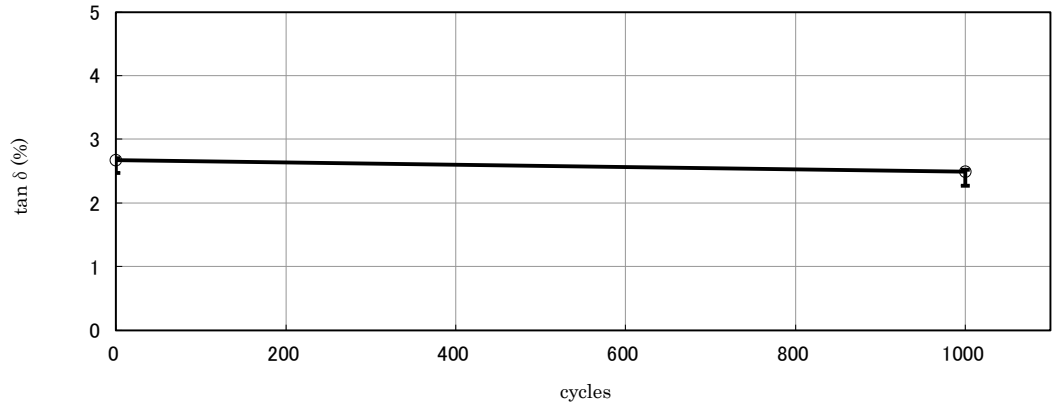
No Terminal Bend



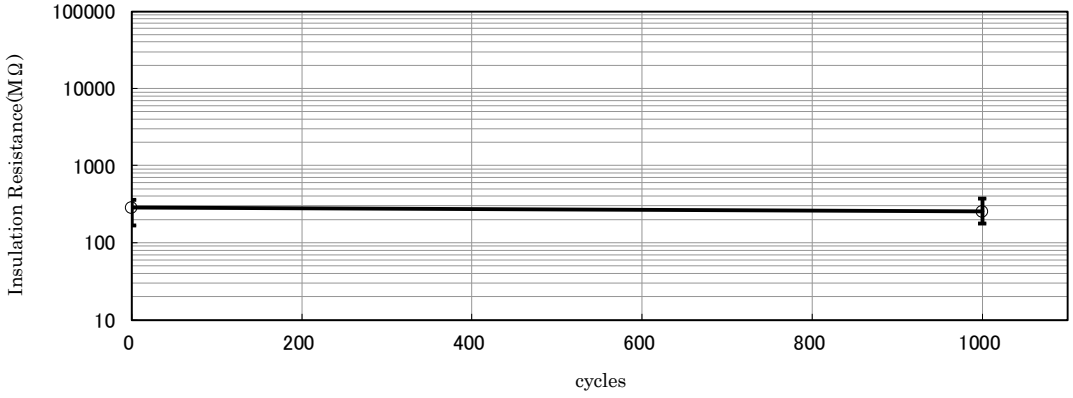
[Criteria] ≦±15% of initial value



[Criteria] 5%max.



[Criteria] 10MΩmin.



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Multilayer Ceramic Capacitor Reliability Data

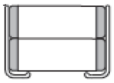
U26E010143-3

Test Name Vibration

MIL-STD-202 Method 204	Insuration Resistance(Volt)	100	(V)	Measurement LCR meter	4284A	
	Insuration Resistance(Time)	60	(sec)	Measurement Freq.	1000	(Hz)
5g's for 20 min.,12 cycles each of 3 operations.				Measurement Volt.	1	(V)
Note:Use 8"x5" PCB .031" thick 7 secure points on one long side and 2 secure points at corners of opposite sides. Parts mounted within 2" from any secure point. Test from 10-2000Hz.				Measurement Temp.	25	(℃)

MARK	Type	Rated Voltage(V)	Norminal Capacitance(uF)	Size(LxW)mm	Q'ty(pcs)	
○	KTJ101B106M55BFT00	100	10	5.7 x 5.0	30	

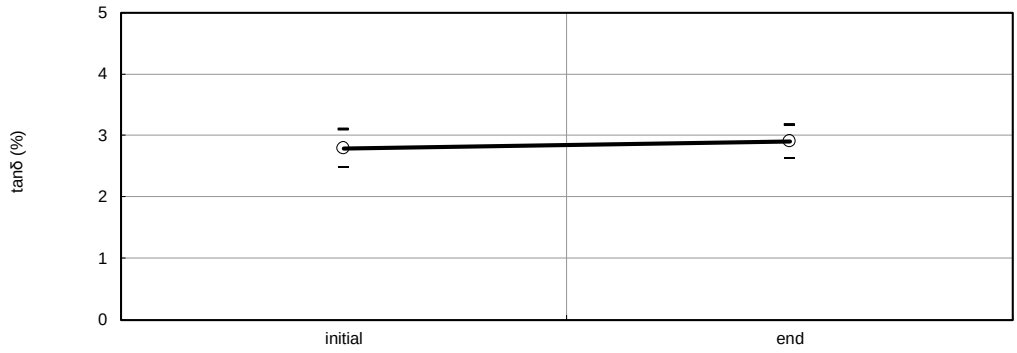
With Terminal Bend



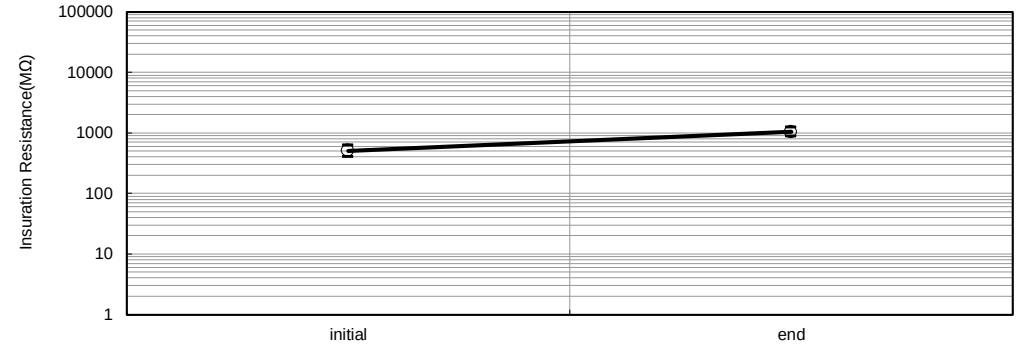
[Criteria] ≦±15% of initial value



[Criteria] 5%max.



[Criteria] 10.0MΩmin.



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Multilayer Ceramic Capacitor Reliability Data

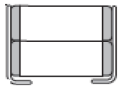
U26E010143-4

Test Name Vibration

MIL-STD-202 Method 204	Insuration Resistance(Volt)	100	(V)	Measurement LCR meter	4284A	
	Insuration Resistance(Time)	60	(sec)	Measurement Freq.	1000	(Hz)
5g's for 20 min.,12 cycles each of 3 operations.				Measurement Volt.	1	(V)
Note:Use 8"x5" PCB .031" thick 7 secure points on one long side and 2 secure points at corners of opposite sides. Parts mounted within 2" from any secure point. Test from 10-2000Hz.				Measurement Temp.	25	(℃)

MARK	Type	Rated Voltage(V)	Norminal Capacitance(uF)	Size(LxW)mm	Q'ty(pcs)	
○	KTJ101B106M55BFT00	100	10	5.7 x 5.0	30	

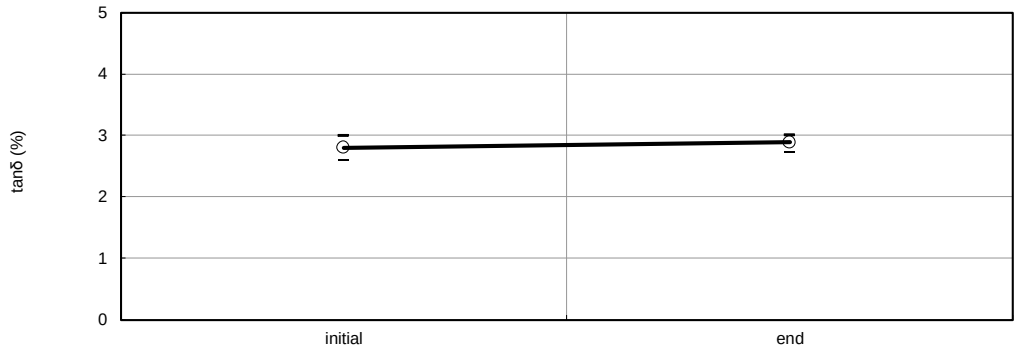
No Terminal Bend



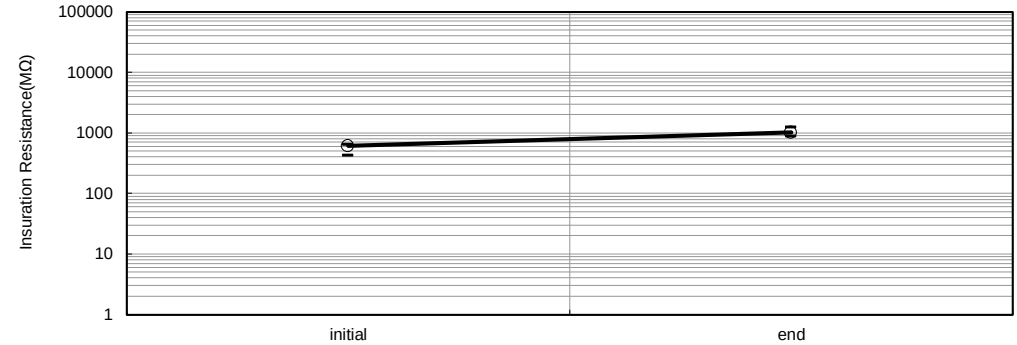
[Criteria] ≦±15% of initial value



[Criteria] 5%max.



[Criteria] 10.0MΩmin.



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Multilayer Ceramic Capacitor Reliability Data

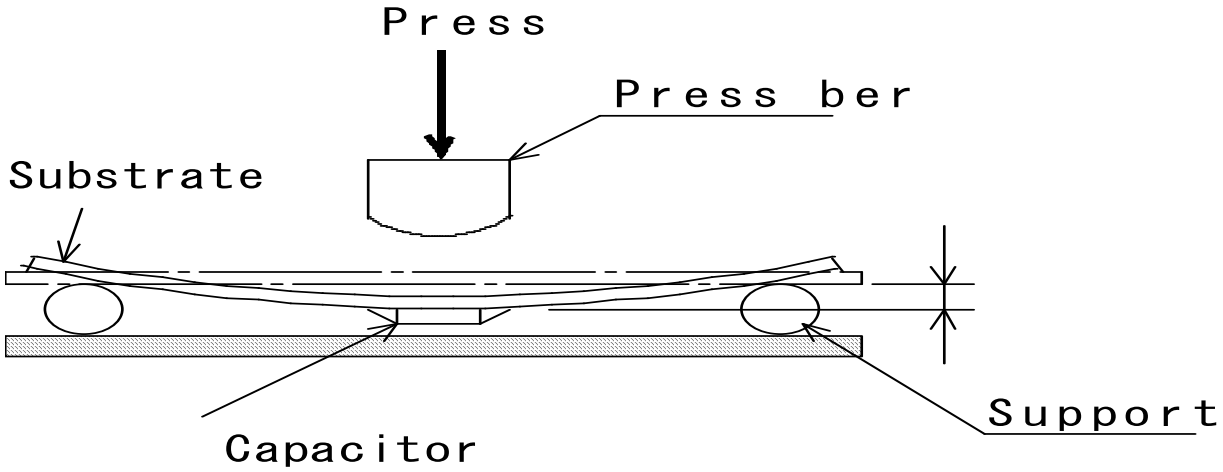
U26E010143-5

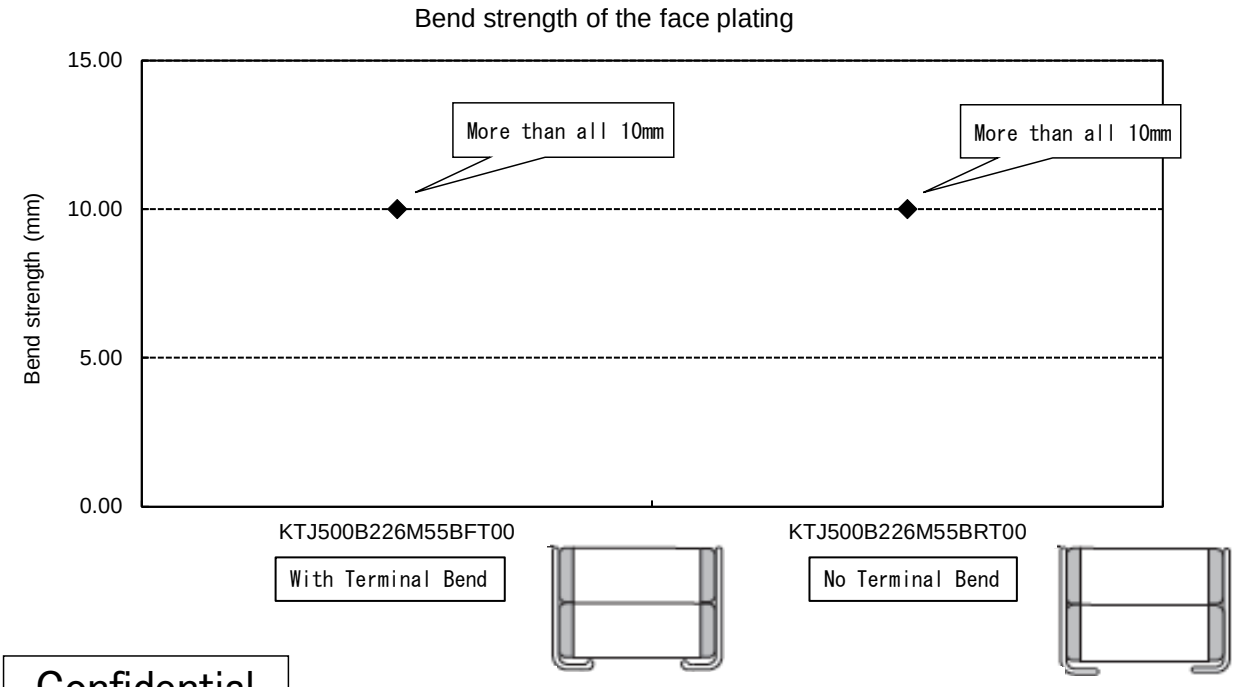
Bend strength of the face plating

Test condition

Press speed : 20mm/minutes
Number : 10pieces

Measurement limit value : 10mm





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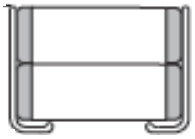
Multilayer Ceramic Capacitor Reliability Data U26E010143-6

Test Name	Physical Dimension

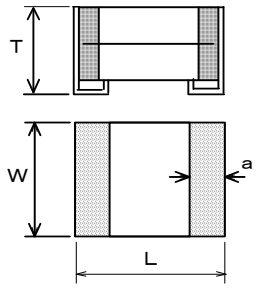
Measurement Temp. 25 (℃)

Type	Rated Voltage(V)	Norminal Capacitance(uF)	Size(LxW)mm	Q'ty(pcs)	
KTJ101B106M55BFT00	100	10	6.0×5.3	30	

With Terminal Bend



Dimensions



Unit (mm)

	Dimensions			
	L	W	T	a
Spec.USL	6.4	5.7	5.5	1.6
Spec.LSL	5.6	4.9	-	1.0
1	6.01	5.22	5.44	1.27
2	5.99	5.22	5.43	1.29
3	5.99	5.20	5.44	1.28
4	5.99	5.20	5.43	1.29
5	6.00	5.21	5.44	1.27
6	5.99	5.21	5.44	1.30
7	5.99	5.21	5.45	1.31
8	5.99	5.20	5.44	1.31
9	5.99	5.20	5.44	1.28
10	5.99	5.22	5.43	1.33
11	6.00	5.23	5.46	1.29
12	5.99	5.23	5.45	1.27
13	5.99	5.20	5.44	1.32
14	6.00	5.21	5.44	1.31
15	6.00	5.22	5.43	1.32
16	5.99	5.21	5.44	1.32
17	6.01	5.20	5.44	1.28
18	5.99	5.33	5.45	1.31
19	5.99	5.23	5.45	1.27
20	6.00	5.21	5.43	1.32
21	6.01	5.20	5.46	1.28
22	6.01	5.20	5.45	1.27
23	5.99	5.22	5.45	1.30
24	6.01	5.21	5.46	1.29
25	6.01	5.23	5.45	1.27
26	6.01	5.22	5.43	1.29
27	6.00	5.20	5.44	1.28
28	6.01	5.20	5.44	1.31
29	6.00	5.20	5.44	1.31
30	6.00	5.24	5.44	1.31
Ave.	6.00	5.22	5.44	1.30
Max.	6.01	5.33	5.46	1.33
Min.	5.99	5.20	5.43	1.27
Std. Dev.	0.01	0.02	0.01	0.02
Cpk	15.66	4.29	2.14	5.21

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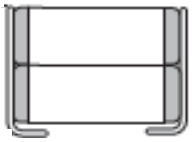
Multilayer Ceramic Capacitor Reliability Data U26E010143-7

Test Name	Physical Dimension

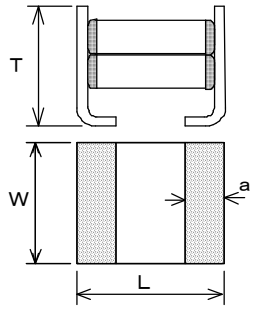
Measurement Temp. 25 (℃)

Type	Rated Voltage(V)	Norminal Capacitance(uF)	Size(LxW)mm	Q'ty(pcs)	
KTJ101B106M55BRT00	100	10	6.0×5.3	30	

No Terminal Bend



Dimensions



Unit (mm)

	Dimensions			
	L	W	T	a
Spec.USL	6.4	5.7	5.5	1.6
Spec.LSL	5.6	4.9	-	1.0
1	6.01	5.20	5.45	1.32
2	6.00	5.20	5.43	1.32
3	6.01	5.21	5.43	1.31
4	5.99	5.21	5.45	1.32
5	6.01	5.21	5.45	1.33
6	6.00	5.21	5.44	1.33
7	6.01	5.21	5.46	1.33
8	6.01	5.20	5.44	1.32
9	6.00	5.20	5.45	1.32
10	6.01	5.28	5.45	1.31
11	6.00	5.26	5.45	1.32
12	6.01	5.20	5.44	1.31
13	5.99	5.30	5.45	1.30
14	6.01	5.21	5.44	1.32
15	6.01	5.22	5.43	1.32
16	5.99	5.20	5.46	1.27
17	6.01	5.23	5.44	1.32
18	6.01	5.20	5.43	1.32
19	6.00	5.20	5.46	1.31
20	6.00	5.26	5.45	1.29
21	6.01	5.31	5.45	1.32
22	5.99	5.22	5.44	1.32
23	6.01	5.32	5.43	1.32
24	6.00	5.20	5.44	1.32
25	6.01	5.22	5.46	1.29
26	6.01	5.22	5.45	1.32
27	6.01	5.22	5.45	1.30
28	6.01	5.21	5.44	1.30
29	6.00	5.22	5.46	1.29
30	6.01	5.25	5.44	1.33
Ave.	6.00	5.23	5.45	1.31
Max.	6.01	5.32	5.46	1.33
Min.	5.99	5.20	5.43	1.27
Std. Dev.	0.01	0.03	0.01	0.01
Cpk	18.04	3.12	1.87	7.34

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