

SUBJECT: Thick Film Chip Resistor Discontinuation ERJ-1WY, -1WNF, -1WR

BULLETIN #: PG42111000

Date: November 10, 2000

Last Order Date: January 31, 2001

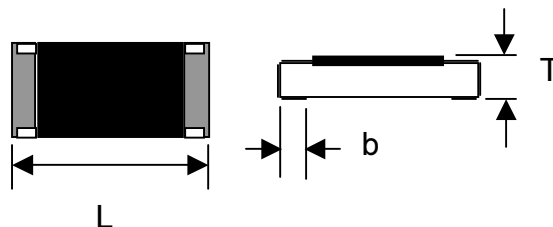
Last Ship Date: April 30, 2001

SUGGESTED REPLACEMENT: See table below

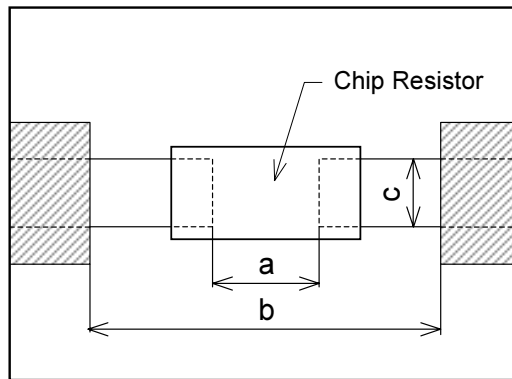
Affected series:

<u>Discontinued</u>	<u>Qty. per reel</u>	<u>Replace with thinner</u>	<u>Qty. per reel</u>
ERJ-1WY Size 2512, 5%	3,000	ERJ-1TY	4,000
ERJ-1WNFxxxxU Size 2512, 1%	3,000	ERJ1TNFxxxxU	4,000
ERJ-1WR Size 2512, low resistance	3,000	ERJ-1TR	4,000

		Current Type (Thick)	New Type (Thin)
Dimensions (in mm)	L	6.4	6.4
	W	3.2	3.2
	T	1.1	0.6
	b	1.3	0.6
Protective Coating		Glass	Resin
Side Electrode		Metal with Glass	Metal with Resin
Panasonic Part Number		ERJ-1W	ERJ-1T
		ERJ1WR	ERJ-1TR



Recommended Land Pattern



Type	Dimensions (mm)		
	a	b	c
ERJ1W	3.6 to 4.0	7.6 to 8.6	2.3 to 3.5
ERJ1T	5.0 to 5.4	7.6 to 8.6	2.3 to 3.5

Technical Data

Thick Film Chip Resistors

ERJ1T (2512 Thin) Type

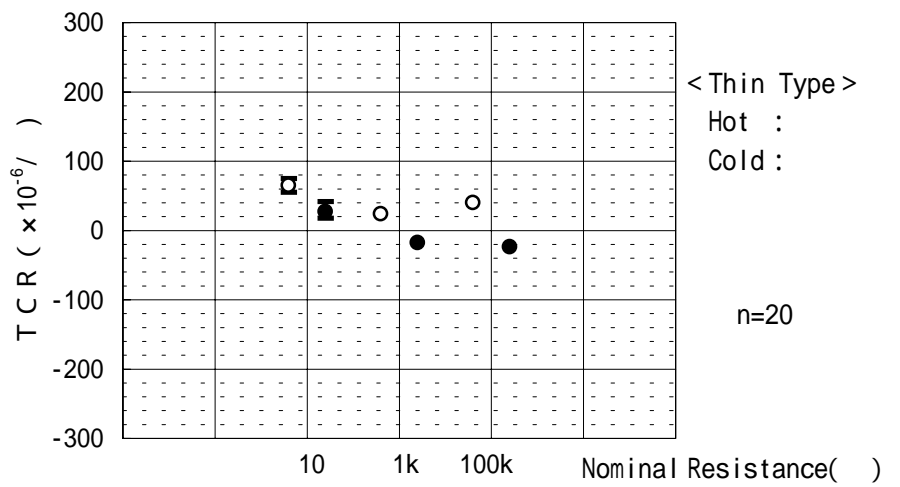
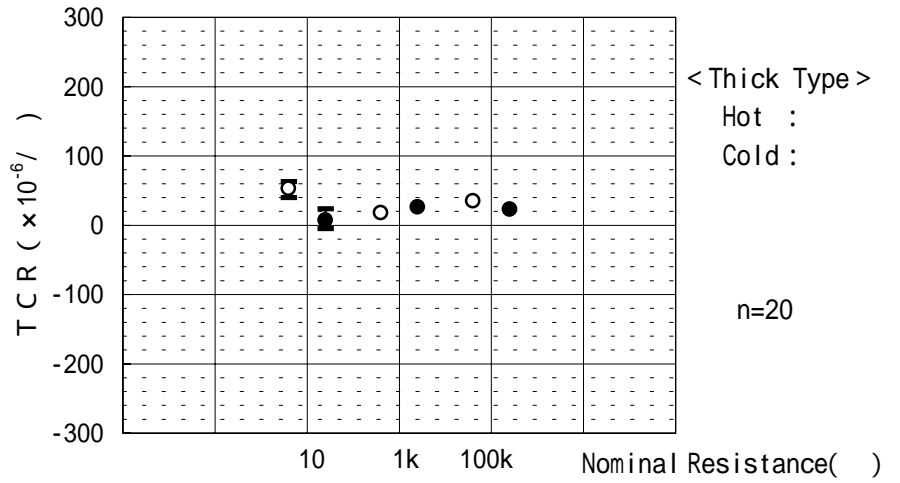
(Comparison for Thick Type (t=1.1mm) to Thin Type (t=0.6mm))

- 1 . Temperature Coefficient of Resistance
- 2 . Short Time Overload
- 3 . Resistance to Soldering Heat
- 4 . High Temperature Exposure
- 5 . Temperature Cycling
- 6 . Humidity
- 7 . Load Life
- 8 . Load Life in Humidity
- 9 . Pulse
- 10 . Terminal Strength
- 11 . Bending Strength
- 12 . Surface Temperature

MATSUSHITA ELECTRONIC COMPONENTS CO., LTD.
RESISTOR DIVISION

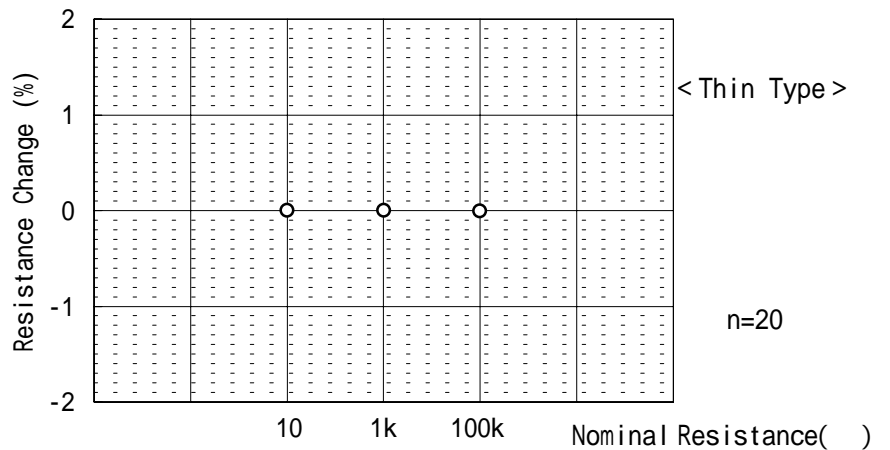
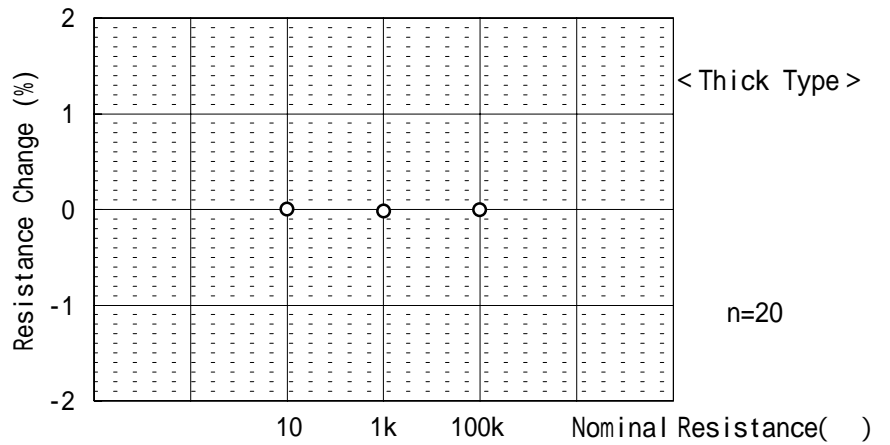
(1) T C R

Hot : 25 ~ 125
 Cold: -55 ~ 25



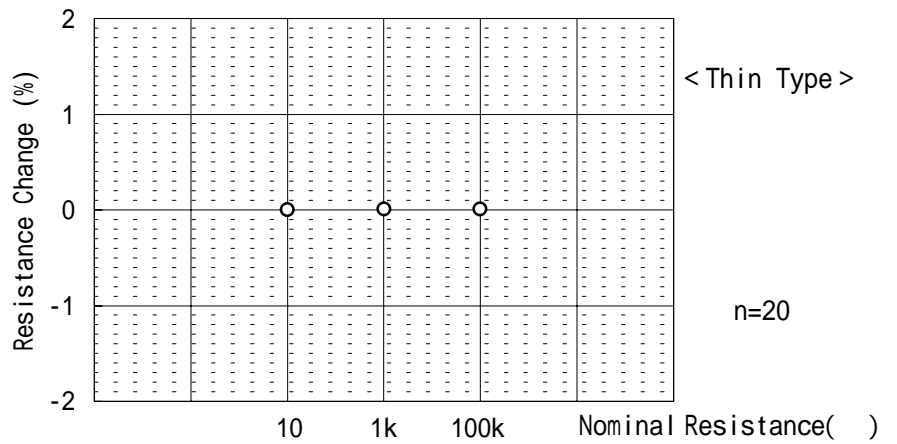
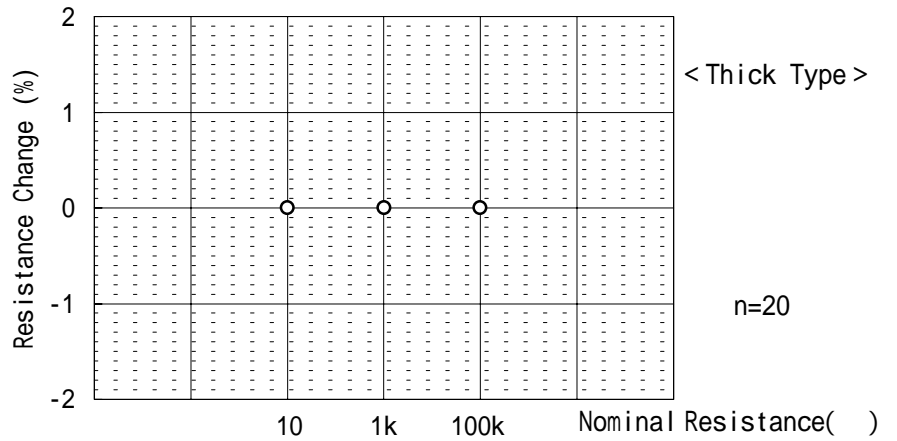
(2) Short Time Overload

RCWV x 2.5 times
 (Max.500V)
 5 seconds



(3) Soldering Heat

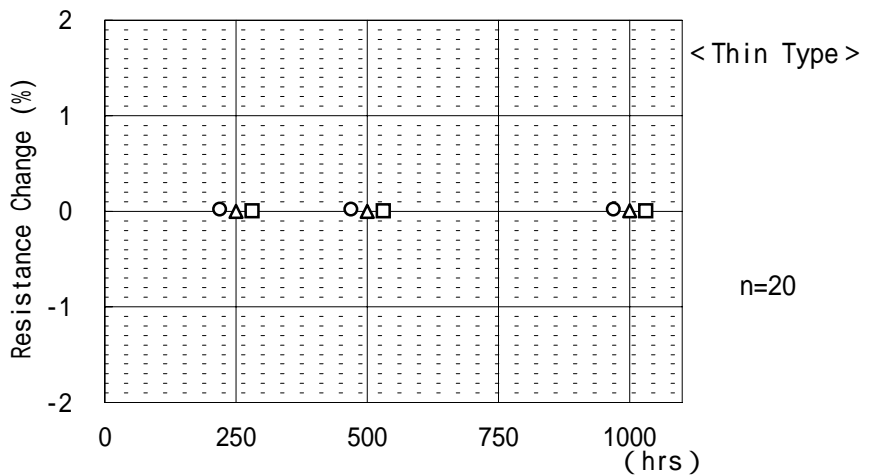
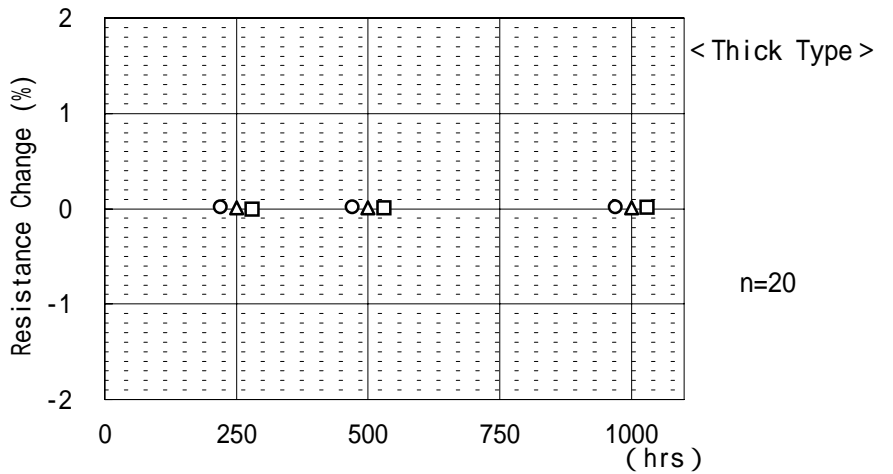
Solder Bath : 270
Dipping : 10 sec.



(4) High Temp. Exposure

125 °C, 1000 hrs,
without load

- : 10
- : 1k
- : 100k



Technical Data

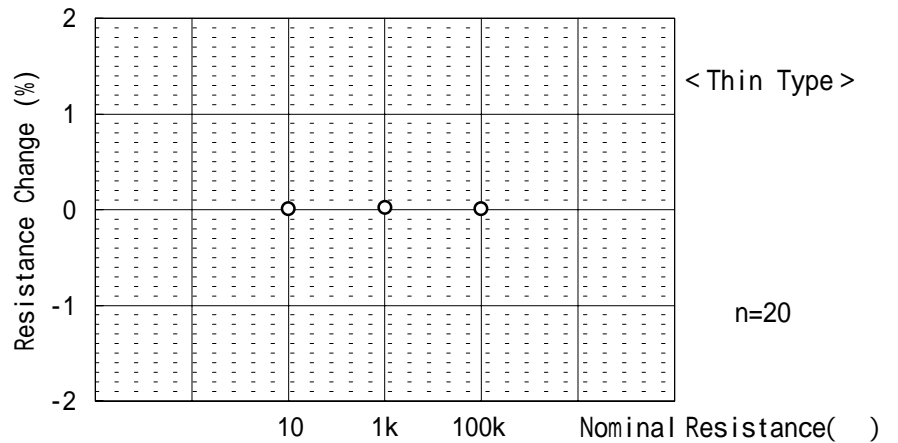
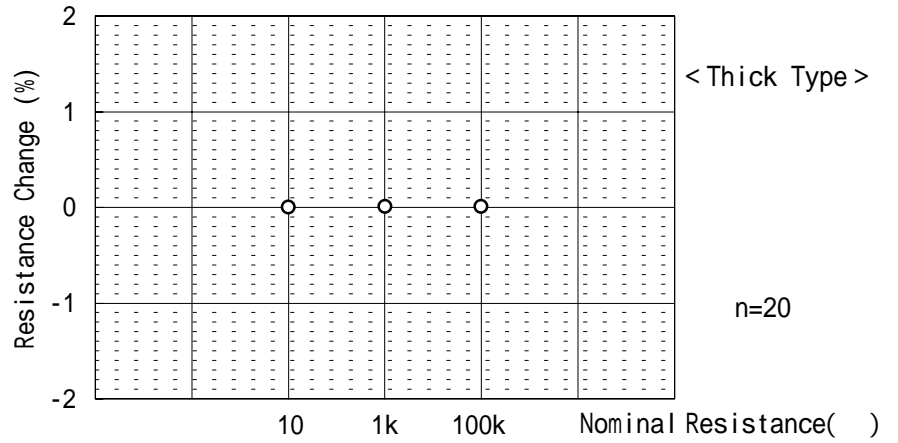
E R J 1 T (2512)

(5) Temp. Cycling

-55 30 min.

Room Temp. 30 min., 100 cyc.

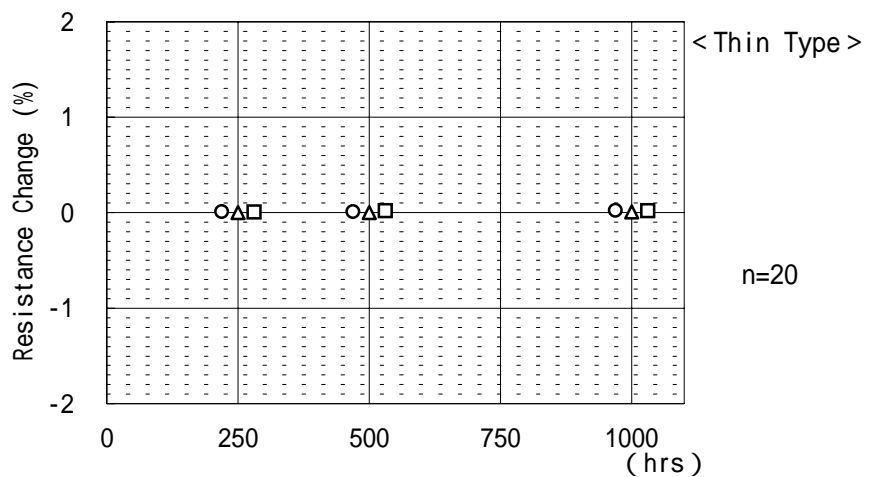
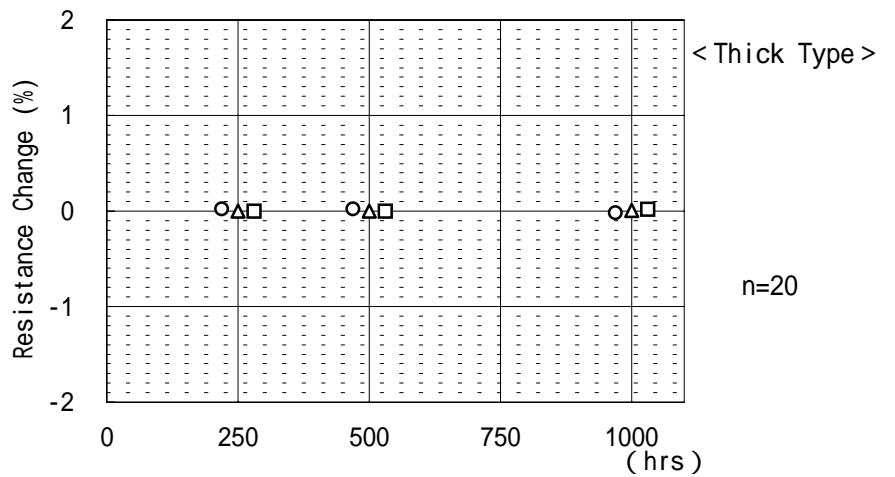
125 30 min.



(6) Humidity

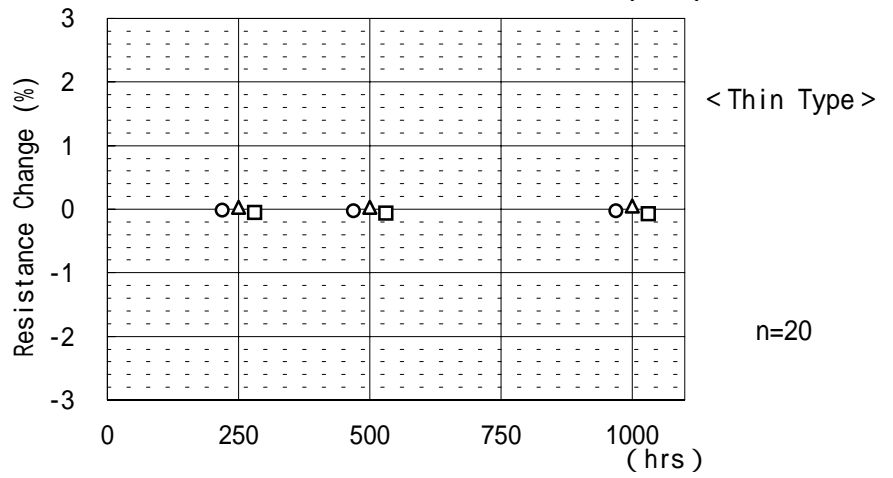
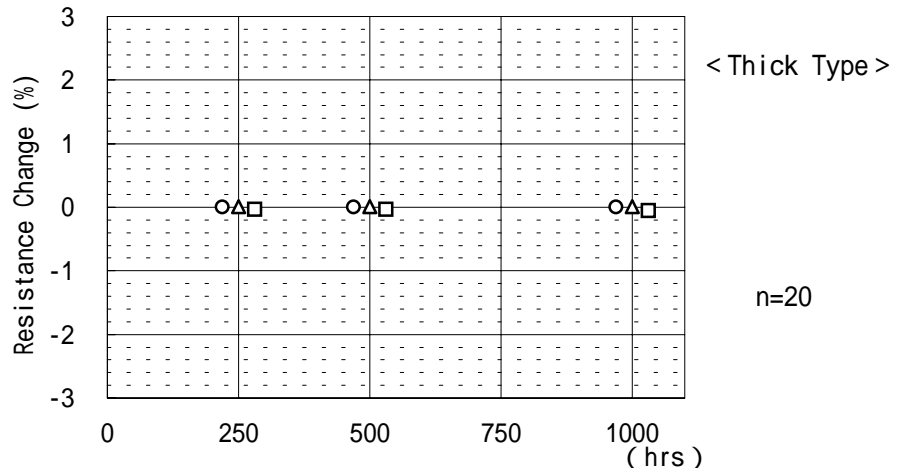
60 ,95%RH,
1000 hrs, without load

- : 10
- : 1k
- : 100k



(7) Load Life

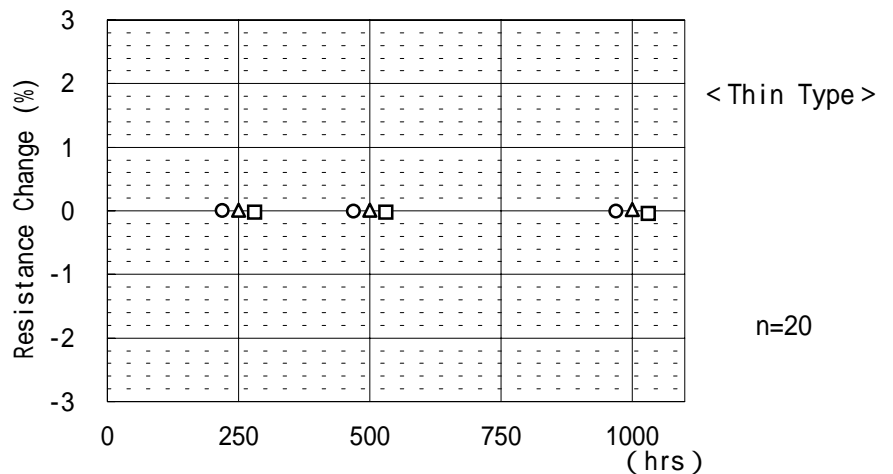
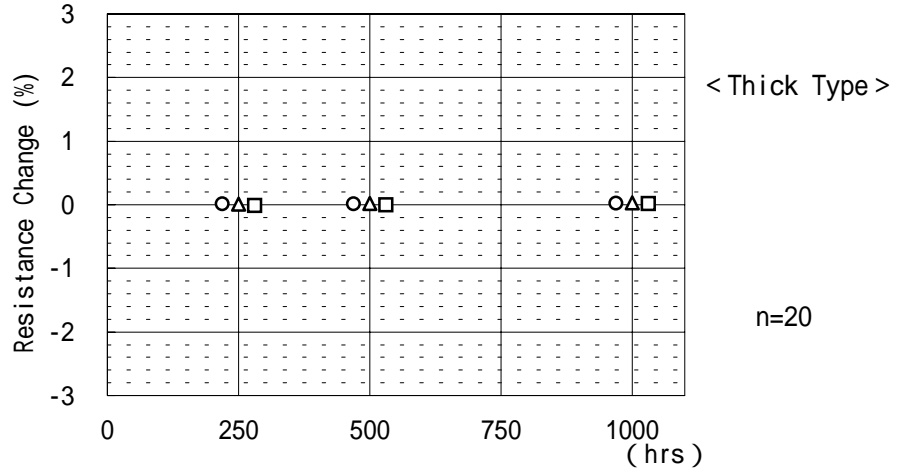
RCWV 1.5 hrs ON -
0.5 hrs OFF, at 70
1000 hrs



(8) Load Life in Humidity

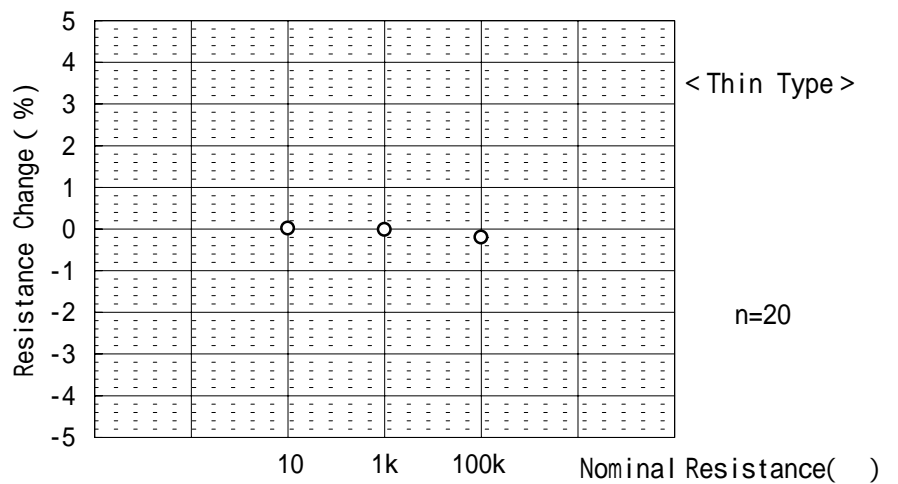
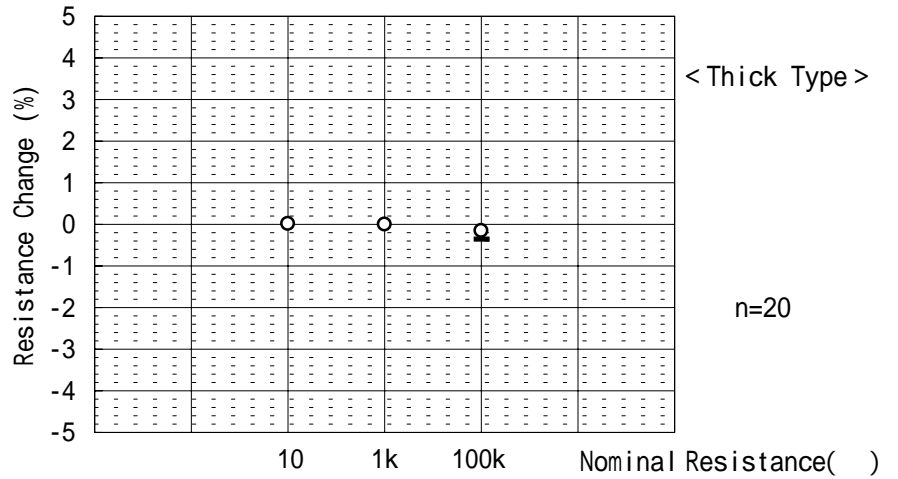
RCWV 1.5 hrs ON -
0.5 hrs OFF, at 60
95%RH, 1000 hrs

- : 10
- : 1k
- : 100k

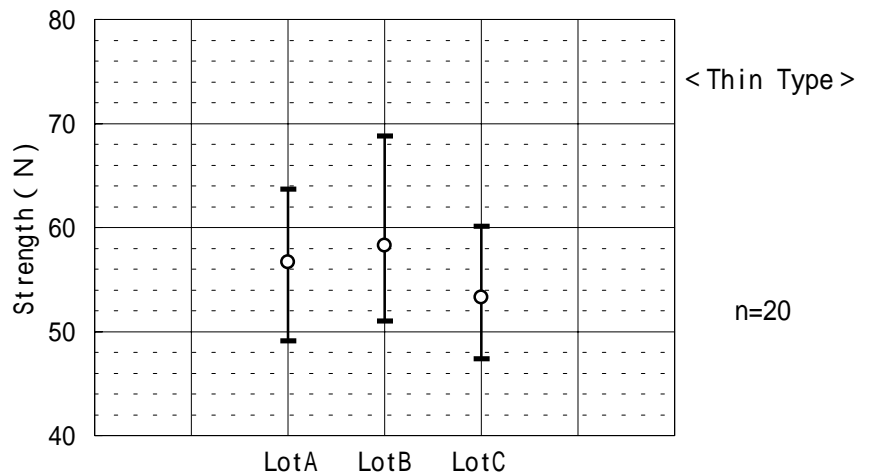
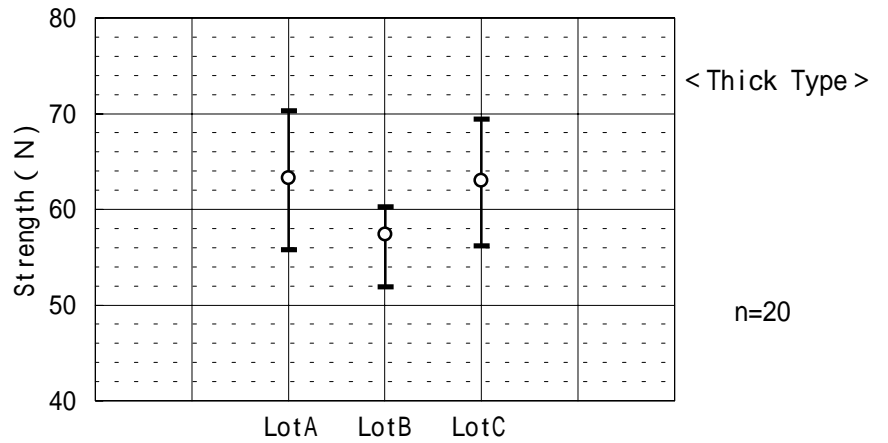
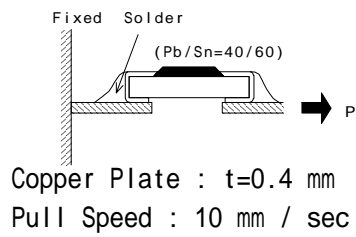


(9) Puls

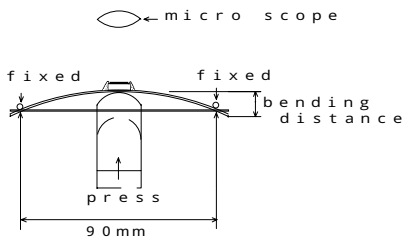
RCWV x 2.5 times
 (Max.500V)
 1 sec ON – 25 sec OFF
 10,000 cycle



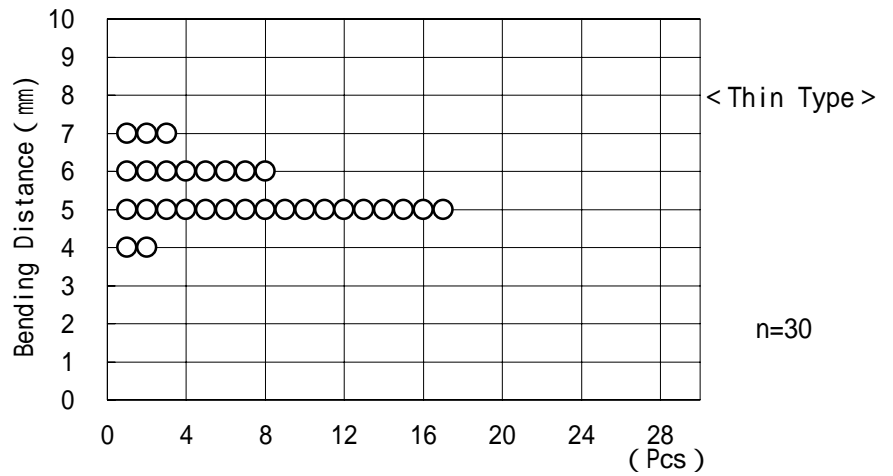
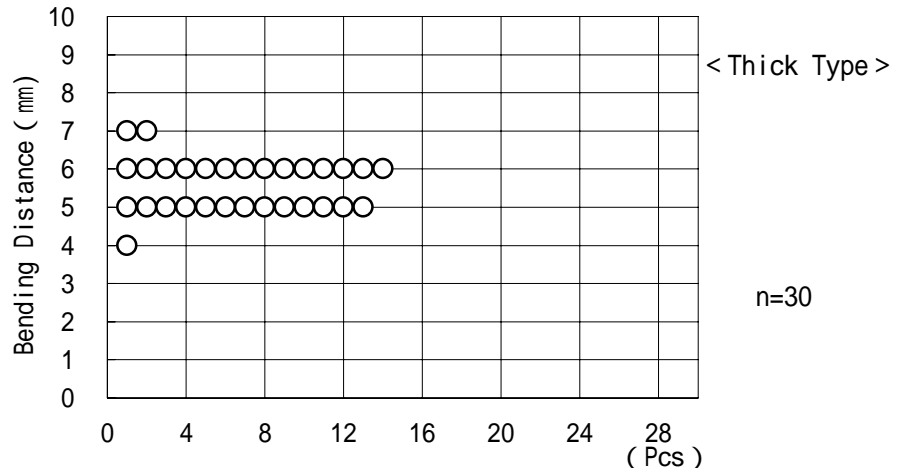
(10) Terminal Strength



(11) Bending Strength



10 sec. Hold
Glass Epoxy Substrate
(t=1.6 mm)



(12) Surface Temperature

Substrate : Glass Epoxy

