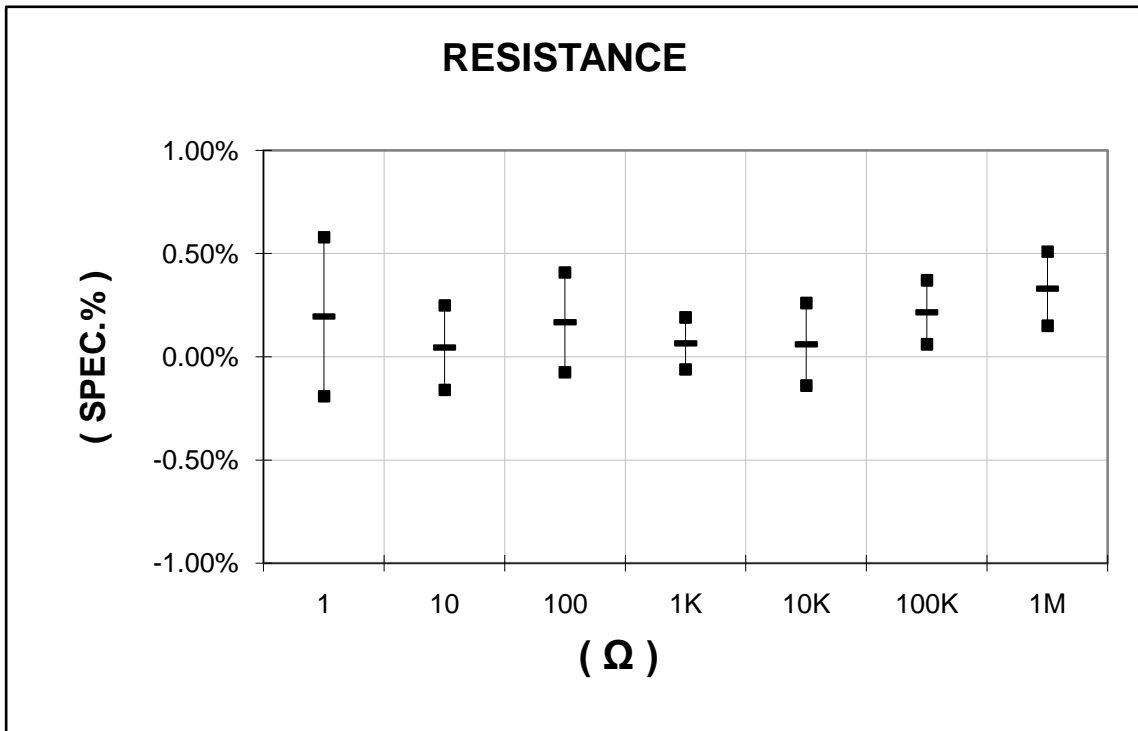




# RELIABILITY TEST OF CHIP RESISTOR - 2512 - 1%

Test : Resistance  
JIS C 5202 5.1  
Test Equipment : Digital Multimeter 34420A  
Digital Multimeter 34401A  
Spec: ± 1 % ( 1 Ω ~ 1 MΩ )

Date of test completed: 07.11.2008



Sample size 10pcs per value



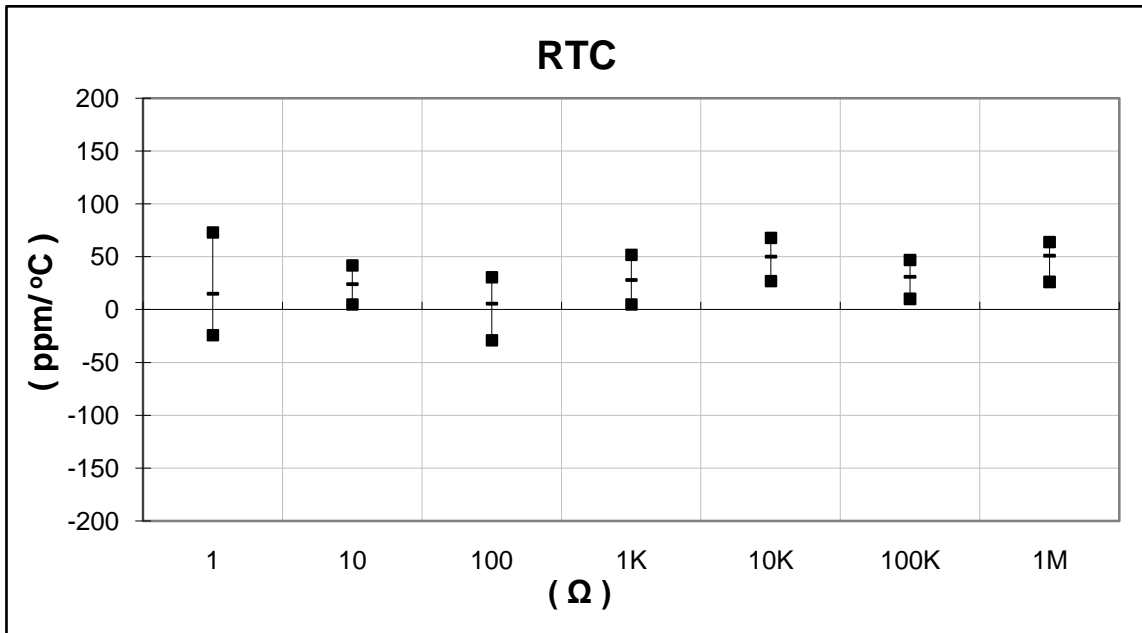
## RELIABILITY TEST OF CHIP RESISTOR - 2512 - 1%

Test : ResistanceTemperature of Coefficient  
JIS C 5202 5.2

Test Equipment : Delta Oven SE 369  
Digital Multimeter 34420A  
Digital Multimeter 34401A  
Test temperature 125 °C ± 5°C keep  
samples for 30 ~45 mins,then measure  
the sample reistance at that temperature.

Spec: ± 200ppm/°C ( 1 Ω ≤ R < 10 Ω )  
± 100ppm/°C ( 10 Ω ≤ R < 1 MΩ )

Date of test completed: 07.11.2008



Sample size 10pcs per value



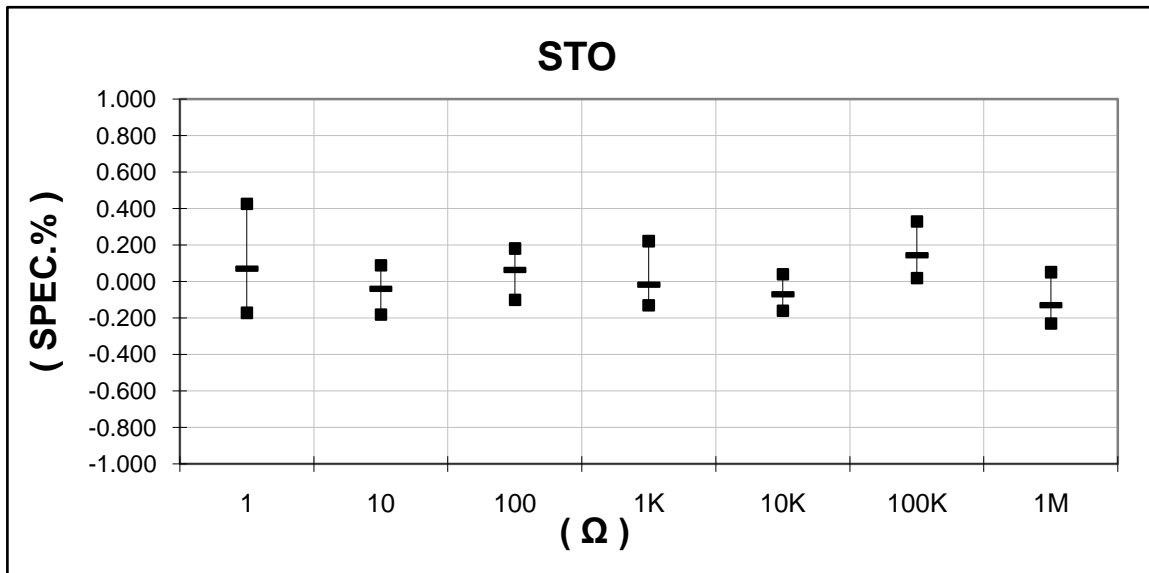
## RELIABILITY TEST OF CHIP RESISTOR - 2512 - 1%

Test : Short Time Overload ( STO )  
JIS C 5202 5.5

Date of test completed: 07.11.2008

Test Equipment : Digital Multimeter 34420A  
Digital Multimeter 34401A  
STO Tester  
Measure the initial reistance.  
Apply 2.5 times RCWV but not exeeding  
twice the max voltage to sample for 5 secs.  
Removed the voltage, leaves sample for 30 mins.  
Then measure final resistance.

Spec: ± 1%



Sample size 10pcs per value



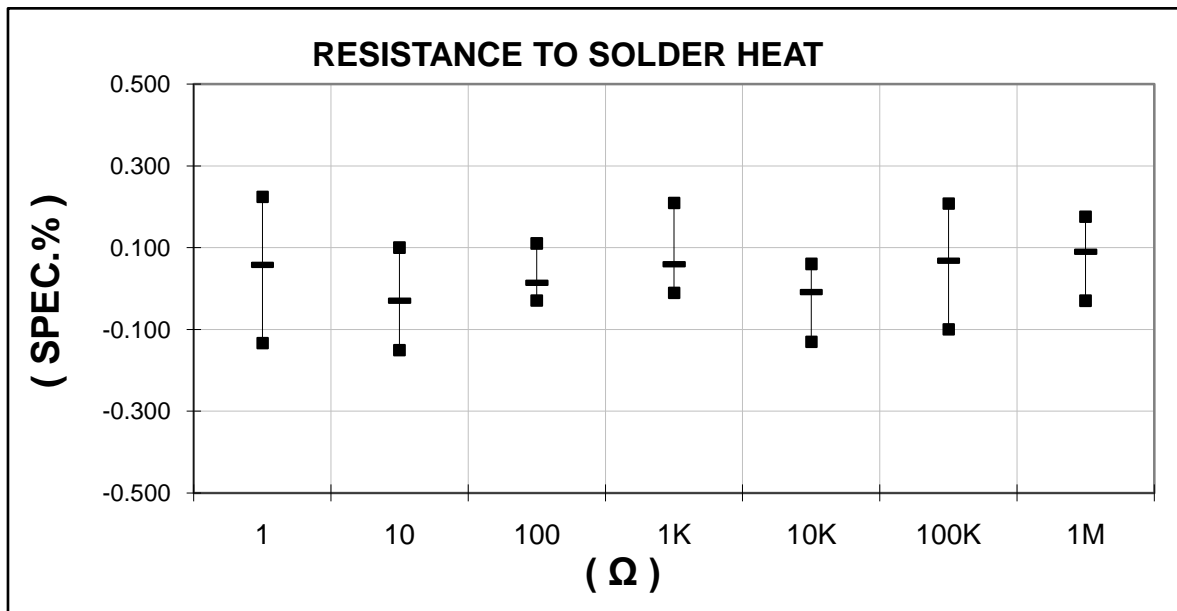
## RELIABILITY TEST OF CHIP RESISTOR - 2512 - 1%

Test : Resistance to Soldering Heat  
JIS C 5202 6.10

Test Equipment : Digital Multimeter 34420A  
Digital Multimeter 34401A  
Solder Pot 260 °C ± 5 °C  
for 10 secs. ± 1sec.  
Leaves sample for 1~2 hrs then  
measure the final resistance.

Spec: ± 0.5 %

Date of test completed: 07.11.2008



Sample size 10pcs per value



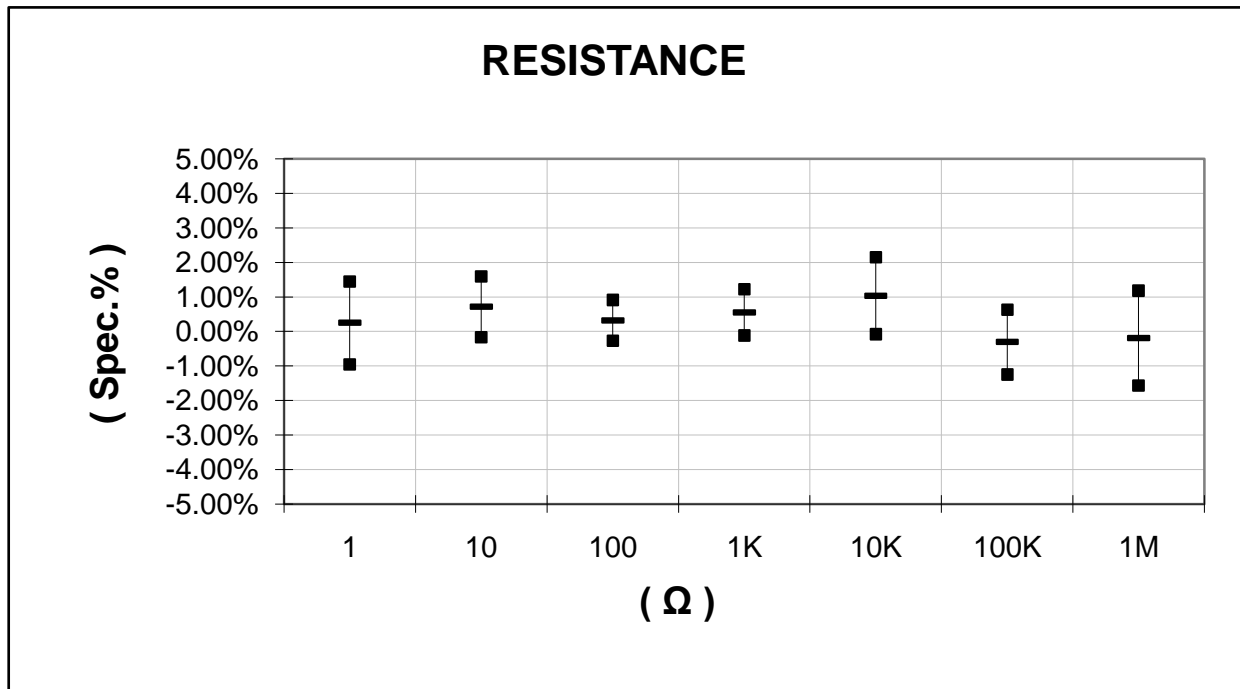
## RELIABILITY TEST OF CHIP RESISTOR -2512 - 5%

Test : Resistance  
JIS C 5202 5.1

Test Equipment : Digital Multimeter 34420A  
Digital Multimeter 34401A

Spec: ± 5 % ( 1 Ω ~ 1 MΩ )

Date of test completed: 07.11.2008



Sample size, 10pcs per value



## RELIABILITY TEST OF CHIP RESISTOR -2512 - 5%

Test : ResistanceTemperature of Coefficient

Date of test completed: 07.11.2008

JIS C 5202 5.2

Test Equipment : Delta Oven SE 369

Digital Multimeter 34420A

Digital Multimeter 34401A

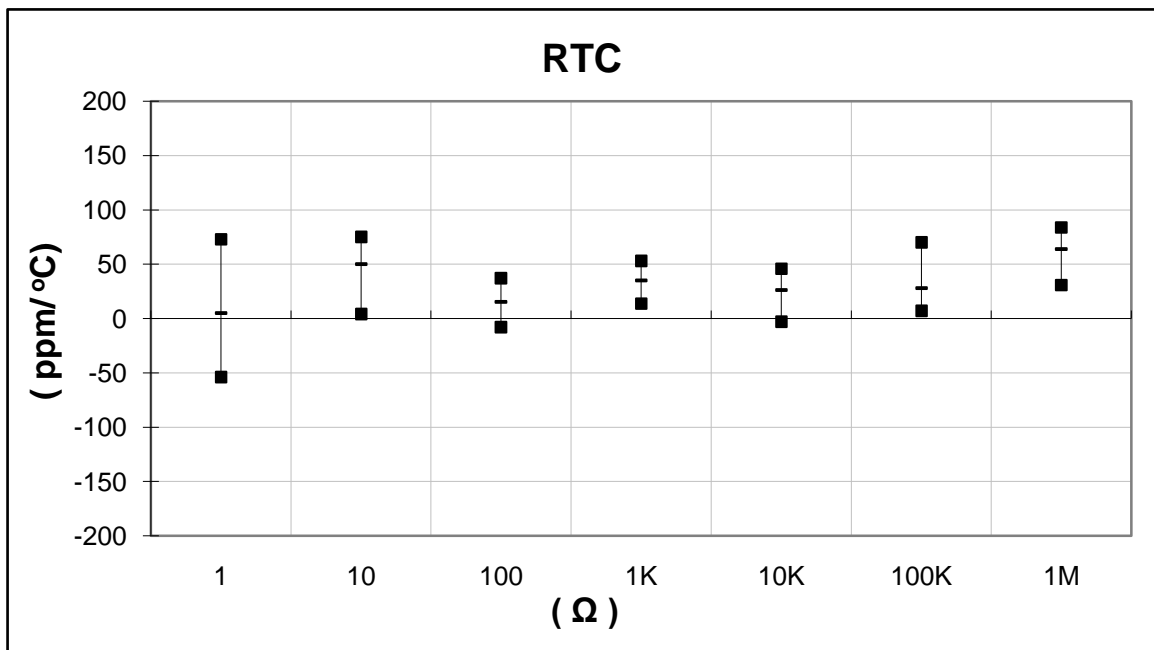
Test temperature 125 °C ± 5°C keep

samples for 30 ~45 mins,then measure

the sample reistance at that temperature.

Spec: -200ppm/°C to +300ppm/°C (1Ω ≤ R < 10Ω)

± 200ppm/°C (10Ω ≤ R < 1MΩ)



Sample size, 10pcs per value



## RELIABILITY TEST OF CHIP RESISTOR -2512 - 5%

Test : Short Time Overload ( STO )

Date of test completed: 07.11.2008

JIS C 5202 5.5

Test Equipment : Digital Multimeter 34420A

Digital Multimeter 34401A

STO Tester

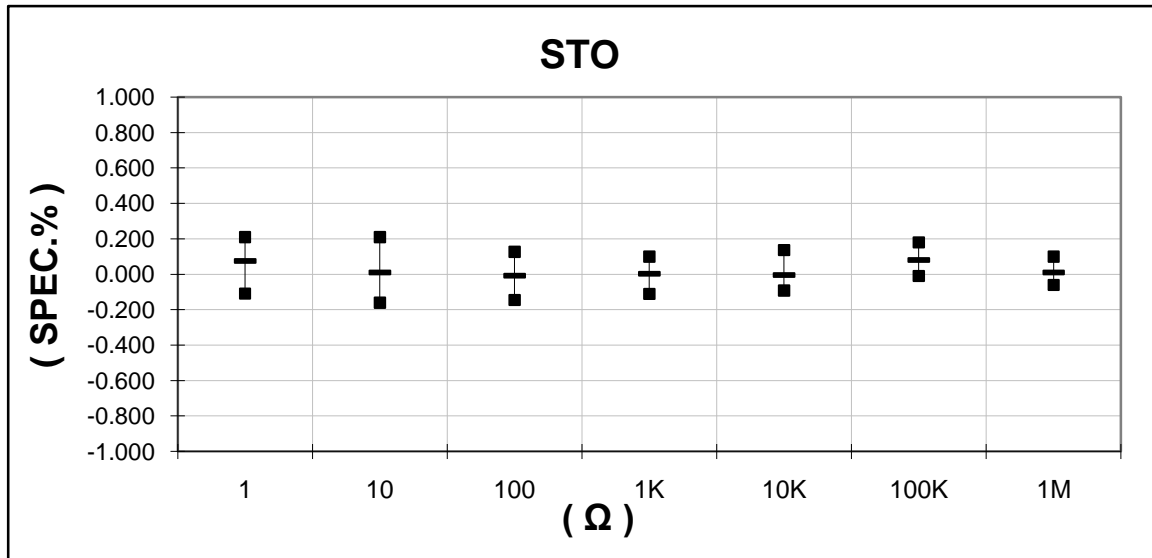
Measure the initial resistance.

Apply 2.5 times RCWV but not exceeding twice the max voltage to sample for 5 secs.

Removed the voltage, leaves sample for 30 mins.

Then measure final resistance.

Spec: ± 1%



Sample size, 10pcs per value



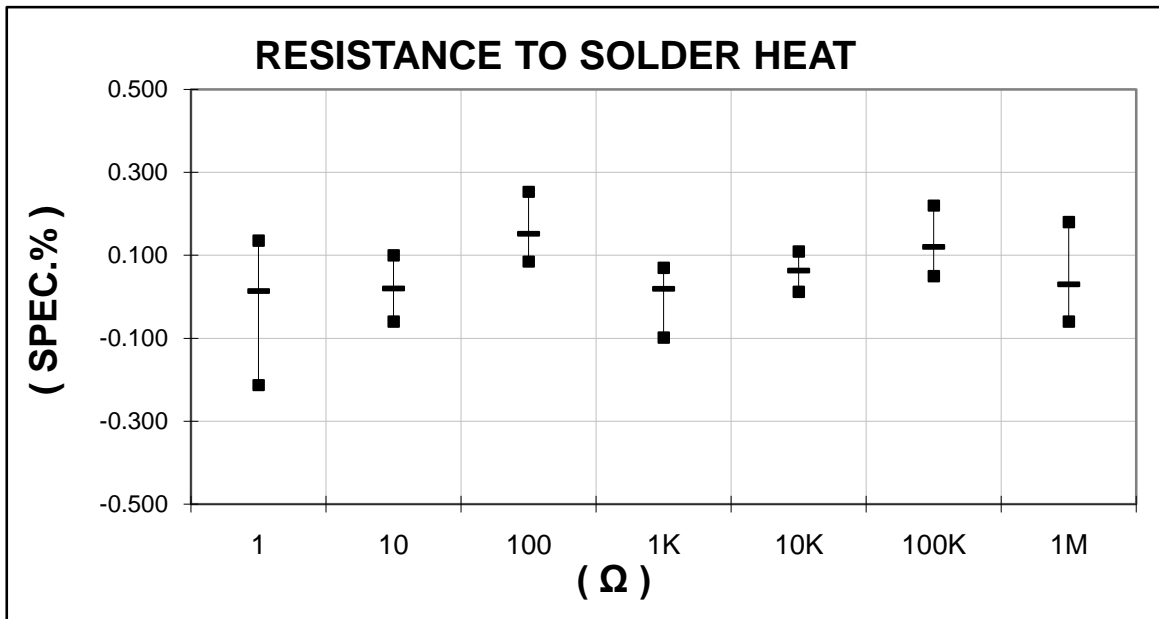
## RELIABILITY TEST OF CHIP RESISTOR -2512 - 5%

Test : Resistance to Soldering Heat  
JIS C 5202 6.10

Test Equipment : Digital Multimeter 34420A  
Digital Multimeter 34401A  
Solder Pot 260 °C ± 5 °C  
for 10 secs. ± 1sec.  
Leaves sample for 1~2 hrs then  
measure the final resistance.

Spec: ± 0.5 %

Date of test completed: 07.11.2008



Sample size, 10pcs per value