



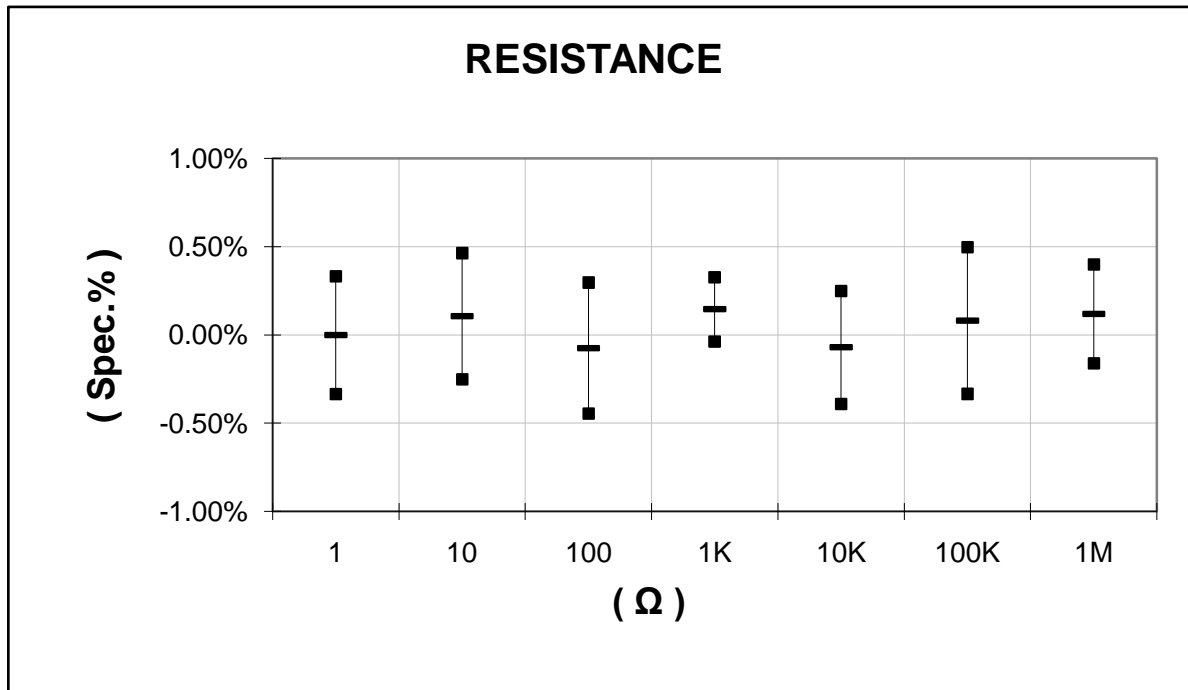
RELIABILITY TEST OF CHIP RESISTOR - 0402 - 1%

Test : Resistance
JIS C 5202 5.1

Test Equipment : Digital Multimeter 34420A
Digital Multimeter 34401A

Spec: ± 1 % (1 Ω ~ 10 MΩ)

Date of test completed: 07.11.2008



Sample size: 10pcs per value



RELIABILITY TEST OF CHIP RESISTOR - 0402 - 1%

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.

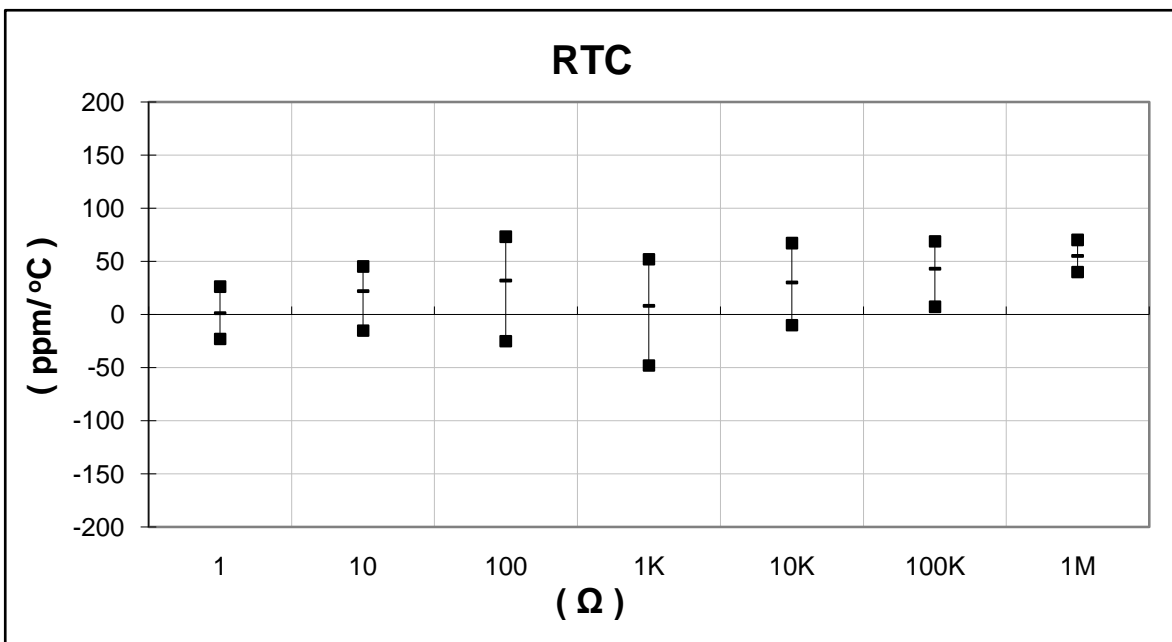
Spec:

±200ppm/°C (1Ω ≤ R < 10Ω)

± 100ppm/°C (10Ω ≤ R < 100Ω)

±200ppm/°C (100Ω ≤ R < 100KΩ)

±100ppm/°C (100Ω ≤ R < 1MΩ)



Sample size: 10pcs per value



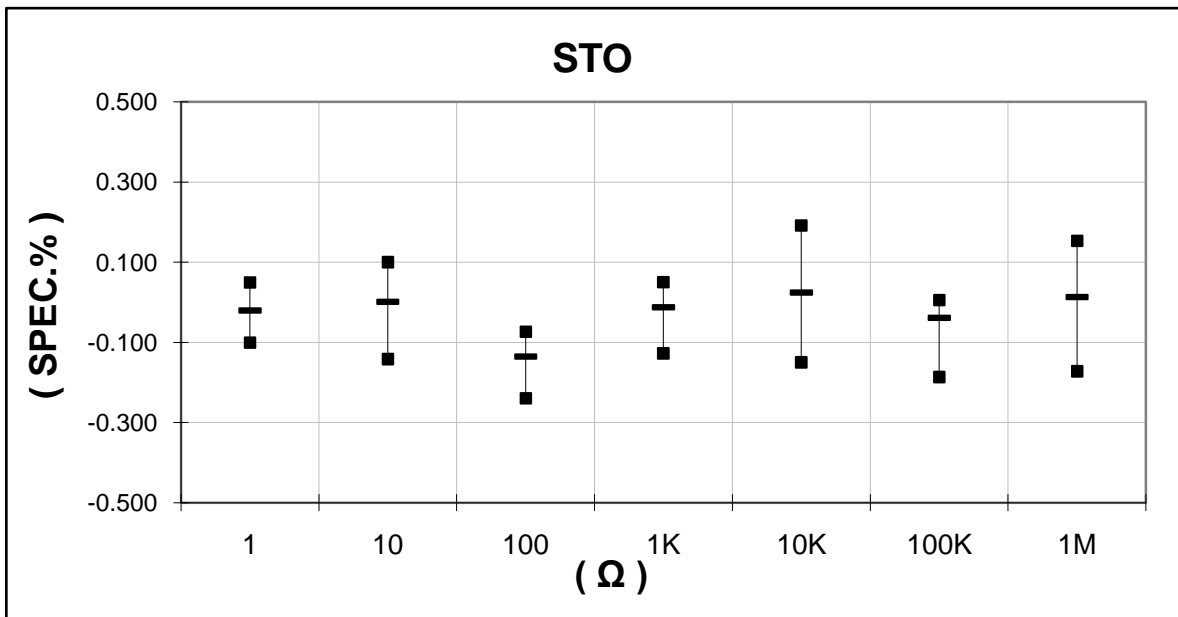
RELIABILITY TEST OF CHIP RESISTOR - 0402 - 1%

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 exceeding
twice the max voltage to sample for 5 secs.
Removed the voltage, leaves sample for 30 mins.
Then measure final resistance.

Spec: ± 0.5%



Sample size: 10pcs per value



RELIABILITY TEST OF CHIP RESISTOR - 0402 - 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



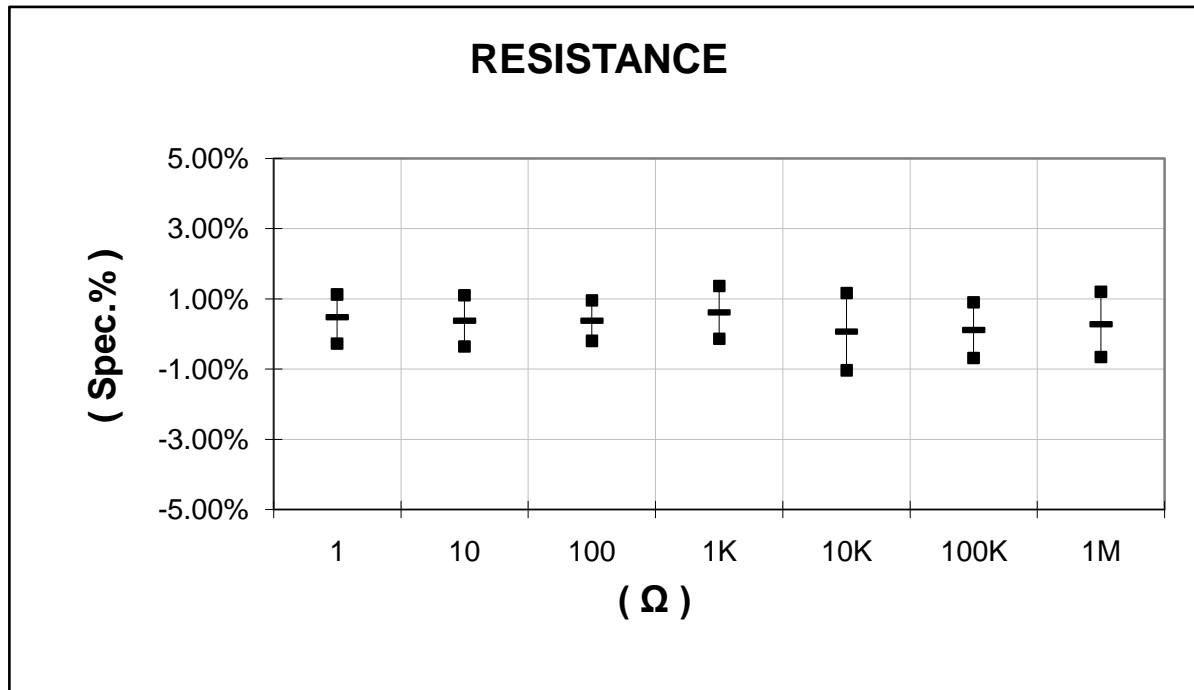
RELIABILITY TEST OF CHIP RESISTOR - 0402 - 5%

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



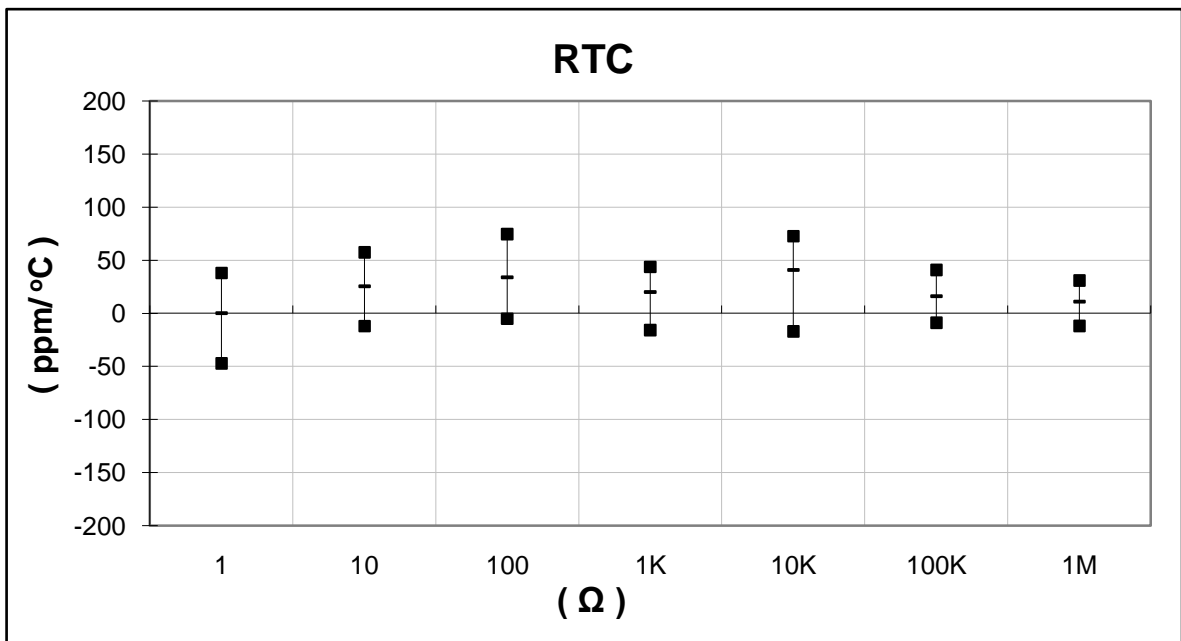
RELIABILITY TEST OF CHIP RESISTOR - 0402 - 5%

Test : Resistance Temperature of Coefficient
JIS C 5202 5.2

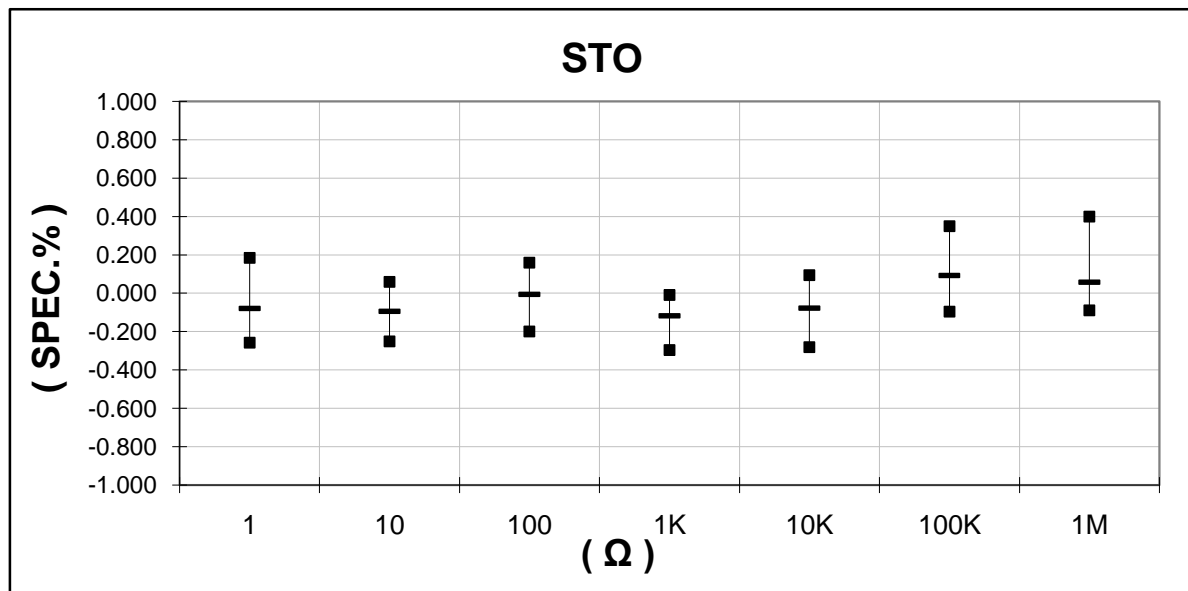
Date of test completed: 07.11.2008

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

ASJ**RELIABILITY TEST OF CHIP RESISTOR - 0402 - 5%**Test : Short Time Overload (STO)Date of test completed: 07.11.2008JIS C 5202 5.5Test Equipment : Digital Multimeter 34420ADigital Multimeter 34401ASTO TesterMeasure the initial resistance.Apply 2.5 times RCWV but not exceedingtwice 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 - 0402 - 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