NIC COMPONENTS CORP.

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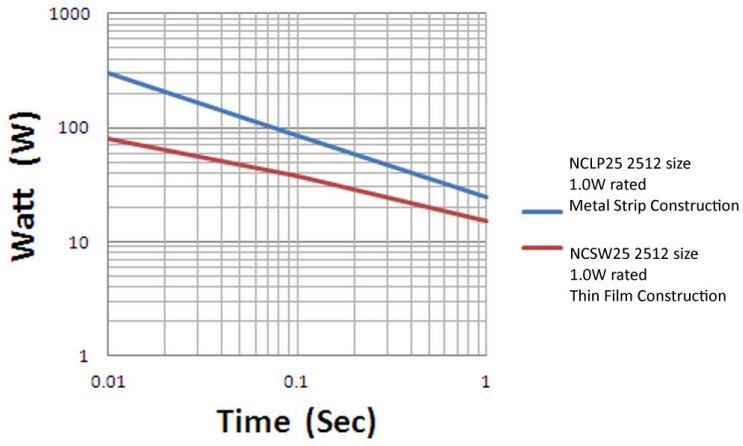
Current Sensing Resistors
Pulse Power Withstanding Test Comparison

For pulse power applications, the thickness of the resistant element will determine the component power withstanding capability. Metal strip construction type has thicker conductor layer, then thin film construction type. The metal strip construction current sensing resistor will have better pulse withstanding performance, as shown in below comparison test (*2512 case size, 100mΩ test samples*).

For high pulsed power applications, metal strip construction is recommended

100mOhm, Pulse Withstanding Test



NCLP series - Metal Strip Construction Current Sensing Resistors:
www.niccomp.com/catalog/nclp.pdf

NCSW series – Thin Film Construction Current Sensing Resistors:
www.niccomp.com/catalog/ncsw.pdf

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