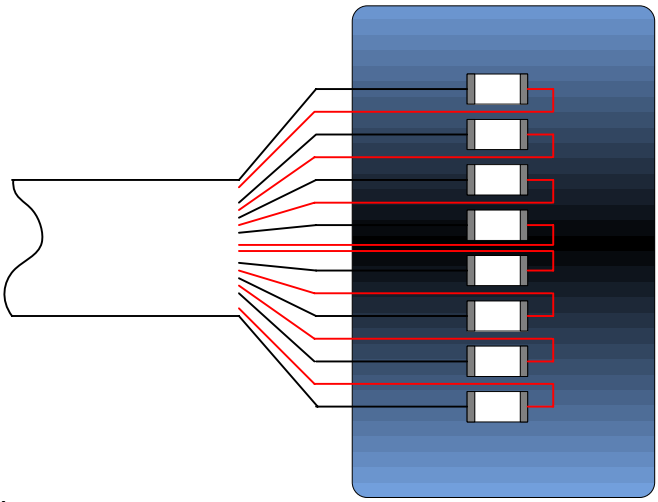
Measure the Leakage Current of a Multilayer Ceramic Capacitor (MLCC) in High Speeds

Leakage current of MLCCs, which are increasing in capacity, can be measured under different conditions and at high speed

■ Highlights

- The 8-channel simultaneous measurement enables increasing the number of DUTs to be tested at one time and improving the performance of automated equipment.
- Since a measurement voltage of up to 1 kV can be applied, even a high-voltage ceramic capacitor installed in, for example, an inverter for EV can be tested.
- Even with a capacitor that is being charged, leakage current can be measured by extending the measurement range.
- A contact check function allows you to measure after checking the contact with the DUT.

SUPER MΩ HiTESTER SM7810 series
POWER SOURCE UNIT SM7860 series



MLCC Automatic tester

- The SM7860S Power Source Unit, which can output a voltage of ±1 V to ±1 KV and has a discharge function, enables creating a test system suitable for the MLCC type.
- Since the current limit can be set individually for each channel, a failure of one work piece does not affect other capacitors that are measured simultaneously.

Products used

- SUPER MΩ HiTESTER SM7810 series
- POWER SOURCE UNIT SM7860 series

K0030-E00
March 2011