

Leakage Current Test

Introduction

Leakage current takes four forms: semiconductor element leakage current, power leakage current, filter leakage current and capacitor leakage current. In addition, the standby current referring to the maximum direct current flowing through the varistors at the prescribed temperature and current sometimes refers to the leakage current.

■ Semiconductor element leakage current

Refers to the current flowing semiconductors when cut-off.

■ Power leakage current

In order to reduce interference, there must be equipped with EMI filter in switching power supply circuits in accordance with the national standard. The power leakage current refers to the tiny electric current to ground of switching power supply when power-on.

■ Capacitor leakage current

Refers to current flowing the dielectric of capacitor when power-on.

■ Filter leakage current

Refers to the current between filter shell and either incoming line at the rated alternating voltage.

Test System

Meeting testing needs of the electronics industry with two equipment.

Device Name	Varistor parameter analyzer	Leakage current tester
Equipment Type	CJ1001	TH2686
Source	0 to 1400 V, 0.01 mA to 2 mA	0 to 500 V, 10 nA to 19.9 mA
Accuracy	$\pm 0.2\%$	$\pm 2\%$