

STB6689/STB6689A Capacitor Leakage Current/IR Meter

Features

- Capacitance leakage test function
- Insulation resistance test function
- Aluminum foil pressure and rise time test function
- Precise low current charge function(0.5mA±0.05mA)
- Large current (500mA)improves the charge speed of low voltage large capacitance.
Continuously adjust Test voltage(STB6689 1.0V~800V/STB6689 1.0V~500V) and real-time monitor the output voltage
- Test range from 0.001uA—20.00mA, 4 digit display
- Open correction(null) to eliminate the remaining base number
- Built-in digit counter
- Comparator function to realize the sorting of PASS/FAIL
- 10 groups of status for save and load
- Standard RS232 interface, Handler interface, optional GPIB interface
- Large LCD (240×64 dot-matrix)display
- Humanized operation interface



RS232	HANDLER	GPIB
standard	standard	option

STB6689/A

Dimension (mm) : 350(W)× 122(H)×425(D)
Weight:7.7kg

Application

- Electrolytic capacitor leakage current test
- Ceramic Capacitor Insulation Test
- Film capacitor insulation test
- Surge diode, Zener diode, neon lamp, etc. operating voltage confirmation and leakage current test
- Work as high voltage low power DC power supply

Specifications

Parameter	LC, IR, Tr, Vt
Range	AUTO, HOLD
Trigger mode	INT/MAN/EXT/BUS
Sorting	High, Low, Pass with beeper alarm
Setting storage	10 groups of status can be saved and loaded
Communication interface	RS232 GPIB(optional) SCPI command program supportable

Performance parameter: (condition, working temperature: 0°C—40°C, humidity : 90%RH,warmup time≥20 min)

LC/IR test	
Test voltage	STB6689 : 1.0V — 800V; STB6689A: 1.0V — 500V Accuracy : ±(0.5% set value+0.2V)
Charge current	test voltage ≤100V,0.5mA—500mA; test voltage > 100V,0.5mA—Imax, Imax=50W/test voltage Accuracy: ±(3% set value+0.05mA)
Test range	LC: 0.001uA — 20.00mA IR: 0.01kΩ — 99.99GΩ
Basic accuracy	LC: ±(0.3%+0.05uA)
Charge time upper limit	0 — 999s manual
Test time	FAST: 40ms MED : 60ms SLOW: 120ms Test condition: range is locked, trigger mode is EXT and the external trigger voltage displays the closing state
Limit setting	LC: 0 — 999.999mA; IR: 0 — 999.999GΩ
Sorting	Pass, Fail
W.V. test	
Vf Rated involucra voltage	STB6689 : 1.0V — 800V; STB6689A: 1.0V — 500V
Charge current	0.5mA — Imax Imax = 65W/Vf Accuracy: ± (3% set value+0.05mA)
Charge time upper limit	5s — 600s manual
Pressure time	30s — 600s manual

Standard Accessories

- SBF0003 2 terminal test fixture
SBF0004D 3 terminals test clip leads