



TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING

IEC 60384-23:2005-02, Edition 1.0

Fixed capacitors for use in electronic equipment- Part 23: Sectional specification- Fixed surface mount metallized polyethylene naphthalate film dielectric DC capacitors

R=Required by Lab

S=May be subcontracted

3PPS=Three Phase Power Supply required

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
4.2	Visual examination and check of the dimension	Sliding gauge	R
4.3.1	Voltage proof	AC/DC High voltage tester, max 5KV Voltage measurement instrument	R
4.3.2	Capacitance	Capacitance meter 50Hz to 10MHz	R
4.3.3	Tangent of loss angle	Capacitance meter 50Hz to 10MHz	R
4.3.4	Insulation resistance	Insulation resistance meter max. 100V	R
4.6	Resistance to soldering heat	Solder bath (230°C to 350 °C)	R
4.13 ¹⁾	Component solvent resistance	Solvent	R



Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
4.7	Solderability	Solder bath (230°C to 350 °C)	R
4.14 ¹⁾	Solvent resistance of the marking	Solvent, Cotton wool	R
4.5	Substrate bending test	Substrate bending facilities	R
4.1	Mounting	Mounting facilities	R
4.2.1	Visual examination	Magnifying glass	R
4.4	Shear	Mechanical testing facilities	R
4.8	Rapid change of temperature	Temperature change test chamber	R
4.9	Climatic sequence	Climatic test chamber for simulation of temperature and humidity	R
4.10	Damp heat, steady state	Climatic chamber 40°C ± 2°C 93%±3% RH	R
4.11	Endurance	AC or DC power supply (max.1000V); Oven (max 160°C)	R
4.12	Charge and discharge	Charge and discharge test circuit	R

¹⁾ If required in the detail specification.