

## **IEC QUALITY ASSESSMENT SYSTEM (IECQ)**

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

# Schedule of Scope to Certificate of Approval Independent Testing Laboratory

IECQ Certificate No.: IECQ-L BSI 11.0001
CB Certificate No.: T3000 IECQ

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CONDITIONING TESTS	BS EN 60068
ENVIRONMENTAL	
	BS EN 60068-2-1
Low temperature	
High temperature	BS EN 60068-2-2
High humidity – Steady state	BS EN 60068-2-78
High humidity – Cyclic state	BS EN 60068-2-30
Temperature change (Thermal shock)	BS EN 60068-2-14
Climatic sequence	BS EN 60068-2-61
Combined dry heat/low air pressure tests	BS EN 60068-2-41
Composite temperature/humidity cyclic tes	BS EN 60068-2-38
Low air pressure	BS EN 60068-2-13
Water immersion	BS EN 60068-2-18/BS EN 60529/
	BS 3G 100:3:Sub-section 3.11 Grade A and B
Salt Mist	BS EN 60068-2-11
Salt Corrosion	BS EN 60068-2-52
Industrial Atmosphere	BS EN 60068-2-42/BS EN 60068-2-43
Manual Constitution	BS EN 60068-2-60
Mould Growth	IEC 60068-2-10
MECHANICAL	DC TH COOCO D C
Vibration, sinusoidal Vibration, random, general	BS EN 60068-2-6 BS EN 60068-2-47
Shock & Bump	BS EN 60068-2-47 BS EN 60068-2-27
5.1.2 S.1.4	27 21. 77777 2 2
Impact	BS EN 60068-2-63
Drop and Topple and Free Fall Peel/Pull	BS EN 60068-2-31 BS 9760
ELECTRICAL	B3 9700
Contact resistance/disturbance/continuity	BS 5772-2 : 2a, 2b, 2f
Insulation resistance/ Voltage proof	BS 5772-2 : 3a, 4a
Combined climatic (temperature/humidity)	and BS EN 60068-2-53
dynamic (vibration/shock) tests Sealing	BS EN 60068-2-17
Solderability	BS EN 60068-2-17 BS EN 60068-2-20
Flamability	
Resistance to solvents and contaminating f	
Robustness of terminations	BS EN 60068-2-21

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#### **ELECTRICAL**

Household appliances & similar Portable heating tools. Electrical & electronic equipment; Enclosures & ingress protection, Wired assemblies. Switchgear & controlgear; Switches, Isolators & Terminal blocks. Wiring & accessories; General.

#### **EMC, IT, RADIO & TELECOMS**

IT; IT equipment.

#### **ENVIRONMENTAL ENGINEERING - CLIMATIC/DYNAMIC**

Climatic (combined parameters) – non-explosive items; High temperature/low pressure. Climatic (combined parameters); Low temperature/low pressure. Climatic (sequential parameters); High temperature/low temperature/low pressure/low humidity, Low temperature/high humidity, Low temperature/low pressure/high humidity. Climatic (single parameters) – non-explosive items; Climatic (single parameters) – non-explosive items, Contaminating fluids, Dust/sand, Fire, High humidity, High/low temperature, Industrial atmosphere (hydrogen sulphide), Industrial atmosphere (sulpher dioxide), Low pressure (atmospheric), Mould & microbiology, Salt, Temperature change/thermal shock, Water. Dynamic; Bump, Drop & topple, Free fall, Impact - horizontal, Shock, Vibration – random, Vibration – sinusoidal, Vibration/temperature (high/low). Ingress protection; Dust ingress, Water ingress. Terminations/Solderability; Terminations/Solderability.

#### **MATERIALS/PRODUCTS TESTED**

Electrical/Electronic components. Electro-Mechanical Devices. Mechanical products. Micro-electronic circuits and components. Motor vehicle components (Electro-mechanical). Printed circuit boards and assemblies.

