	PERMANENT DOCUMENT	**ENEC 303 Annex BI**

Annex BI

to Routine Test Requirements for manufacturers (as per Article 9 of the Agreement)

Varistors for use in electronic equipment – Part 2: Sectional specification for surge suppression varistors EN IEC 61051-2 (in conjunction with EN IEC 61051-1)

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Annex BI to PD ENEC 303

Varistors for use in electronic equipment – Part 2: Sectional specification for surge suppression varistors EN IEC 61051-2 (in conjunction with EN IEC 61051-1)

1. ROUTINE TESTS (Lot by lot)

1.1 General

A manufacturer may aggregate the current production into inspection lots subject to the following safeguards:

a) The inspection lot shall consist of structurally similar varistors (see 8.3 of EN 61051-2).
b) The sample tested shall be representative of the values and dimensions contained in the inspection lot:
- in relation to their number,
- with a minimum of five of any one value.

c) If there are less than five of any one value in the sample, the basis for the drawing of samples shall be agreed between the manufacturer and the Certification Body (CB).

Subgroup A0 – 6.4.2 Visual Inspection and 6.4.3 Marking - 100% Inspection

Subgroup A1 – 6.6 Varistor Voltage

Subgroup A2 – 6.4.4 Dimensions (Details)

Subgroup B1 – 6.17 Robustness of Terminations, 6.19 Solderability, 6.27 Solvent Resistance of Marking

Subgroup B2 – 6.11 Clamping Voltage, 6.9 Voltage Proof

Table 1 Sample Size of Inspection Subgroup A1, A2, B1

Lot Size	Sample Size
2 to 15	2
16 to 50	3
51 to 150	5
151 to 500	8
501 to 3200	13
3201 to 35000	20
35001 to 500000	32
≧ 5000001	50

2. PERIODIC TESTS

The product verification tests shall be carried out in addition to the routine tests.

6.7 Leakage current test

In addition the manufacturer shall at least perform the following tests as mentioned in below table.

Table 1 Sample Size of Inspection Subgroup C1, C2, C3, C4, D1, D2, D3

Subgroup	Test Items	Period (months)	Sample Size
C1	6.11 Clamping Voltage	6	13
C2	6.15 Rated Energy	12	13
C3A	6.8 Capacitance 6.18 Resistance to Soldering Heat 6.28 Component Solvent Resistance 6.20 Rapid Change of Temperature	12	7
C3B	6.21 Shock or Bump 6.22 Vibration 6.23 Climatic Sequence	12	6
C4	6.26 Endurance at Upper Category Temperature	12	13
D1	6.24 Damp Heat, Steady State	24	8
D2	6.4.4 Dimensions(details) 6.6 Varistor Voltage	24	8
D3	6.25 Fire Hazard	24	5