

Quality specification of EMI Shield Windows

1. Scope

This Specification describes the Quality Requirements and the conditions of inspections of the EMI Shield Windows.

2. Conditions of Inspection

2-1. Ambient Condition

The displays shall be inspected under the 500 to 1000 Lx ambient light.

2-2. Workmanship

The reference samples shall be specified for the judgment of workmanship, if necessary. The reference samples shall be prior to any specified requirements. The reference samples will be periodically reviewed.

2-3. Spot-Size judgment

The spot size judgment shall be performed with the gage having a valid relationship to nationally recognized standard.

3. Terms and Definitions

Fig. 1 shows definition of area for judgment.

Zone A: Inside are of "Zone B"

Zone B: Covered by customer's case and connect to GND level

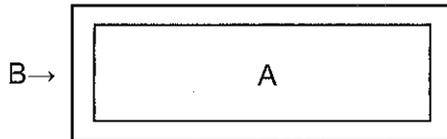


Fig. 1

4. Terms of surface Inspection

Zone A: Judged by following table

Zone B: Shall be judged as a accepted product without any prominent appearance failure

4-1. Scratch

(Unit mm)

Width of scratch Scratch size /Zone"A" area size	less than 0.05		0.05 and over, less than 0.1		0.1 and over	
	Single scratch	Accumulated length	Single scratch	Accumulated length	Single scratch	Accumulated length
less than 5000mm ²	No criteria	No criteria	less than 10 mm	less than 10 mm	0	0
5000mm ² and over			less than 20 mm	less than 20 mm	0	0

4-2. Missing pattern

Zone	Missing criteria	Quantity of disconnection pattern	Note
A	Next three missing segment shall be acceptable.	There is space of ϕ 30mm or more between one and another, No criteria of quantity	Rejected if inspector can be recognized.

4-3. Stain

Zone	Size of stain	Quantity of stain	Note
A	Judged as defective product with prominent appearance failure	No Criteria	Judged by reference sample, (if needs)

4-4. Broken Edge

Location	Shield window side
A	5mm
B	3mm or less
C	Glass thickness size or
D	3mm or less

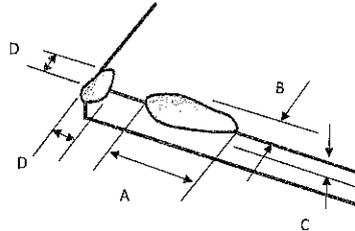


Fig.2

Note

- 1, Shall be judged as defective product, if size is more than the above table. Shall not be judged by the number of points, but progressive broken edge failure shall be judged as defective product.
- 2, The above will not be applied, if customer requires specific criteria.
- 3, Shall be judged as defective product even though size is within the above table, if corner is sharpened by broken edge.

4-5. Segment disconnection

Zone	Specification	Quantity	Note
A	$\phi 0.25\text{mm}$ or less space shall be acceptable.	There is space of $\phi 30\text{mm}$ or more between one and another, No criteria of quantity	Shall be unacceptable if segment could be seen disconnection by black spot.