Structure and Area definition

A: Active area
The area which guarantee the touch panel operation with the following characteristics when passed:
(1) Operating force, (2) Electrode characteristics, (3) Tapping durability, (4) Pen sliding durability.
B: Operation non-guaranteed area
The area which does not guarantee a touch panel operation and its function. When this area is pressed, touch panel shows degradation of its performance and durability such as a pen sliding durability becomes about one-tenth compared with the active area/area.a.(active area) and its operating force becomes about double. About 0.3mm outside from a boundary of the active corresponds to this area.
C: Pressing prohibition area
The area which is not pressing, because an excessive load is applied to a transparent electrode and a serious damage is given to touch panel function by pressing.
D: Non-Active area
The area which does not activate even if pressed.

Notes:
1. Type: film + glass + FPC
2. Operating Voltage: 3V-5V
3. Operation Temperature: -10°C ~ 80°C
4. Storage Temperature: -20°C ~ 70°C
5. Connect Material: FPC
6. Response Time: ≤30ms
7. Linearity: ≤1.5%
8. Transmittance: ≥75%
9. Surface Hardness: ≥H (Pencil)
10. Resistance:
   (ITO Film) ≤2000Ω~7000Ω
   (ITO Glass) ≥300Ω ~ 900Ω
11. Unspecified Tolerance: ±0.20
12. ROHS Standard

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Circuit Diagram

Pin NO: Assignment
1  YU
2  XL
3  YD
4  XR

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EASTRISING TECHNOLOGY CO., LTD

MODEL NUMBER:
ER-TP043-3

APPROVALS
APP
CHK

IM  May-13  DO NOT SCALE THIS DRAWING.

PROJECTION  SHEET: 1