

# PROJECTED CAPACITIVE TOUCH

## 1. RANGE OF APPLICATION

These specifications are applied to analog touch screen/panel. ( Part No. : 122H32A1)

## 2. FEATURES

2.1 Type : Projected capacitive Touch Panel

Input Mode : Stylus for PCAP or Finger

Structure : Cover Glass / ITO Film / ITO Film

Material	Description	Specification	Unit
Cover Glass	Strengthened Glass	1.8	mm
ITO Film	Clear	125	μm
ITO Film	Clear	125	μm
FPC / Tail	Connector	1.25 (pitch) × 85.2 (L)	mm

### 2.2 General Specifications

Drawing : M122H32-D01.2

Item	Specification	Unit
Dimensional Outline	287.67 (L) × 226.2 (W) × 2.2 (T)	mm
Viewing Area	248.87 (W) × 187.4 (L)	mm
Touch Function	10	points

Shape, structure and dimension according to the attached drawing.

### 2.3 IC Model

(1) EETI : EXC3160

(2) Interface : USB & RS232

(3) OS : Win7 、 Win8 、 Linux 、 Android

(4) F/W Version : TBD

Regards the IC specification, please refer the IC data sheet from supplier.

### 2.4 Decoration Lens Artwork :



Color Remark : Black

### 3. RATING

3.1 Maximum voltage and current : DC 5V

3.2 Operating temperature range

From -20°C to 70°C (Humidity from 20% to 80%, no dew condensation shall be acceptable)

3.3 Storage temperature range

From -20°C to 70°C (Humidity from 30% to 80%, no dew condensation shall be acceptable)

### 4. ELECTRICAL PERFORMANCE

4.1 Linearity

Use EETI test software, All of the test items included open test, short test, mutual test, AD level test and draw test.

4.2 Insulation resistance : DC25V and 20MΩ or more

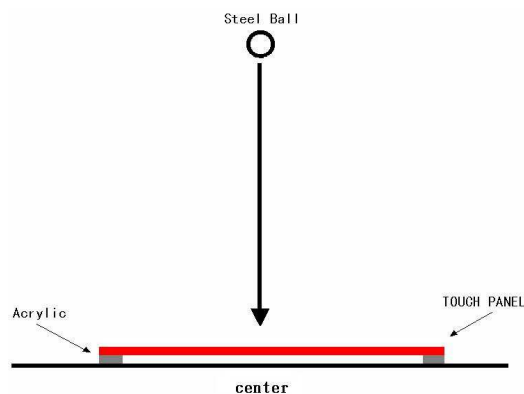
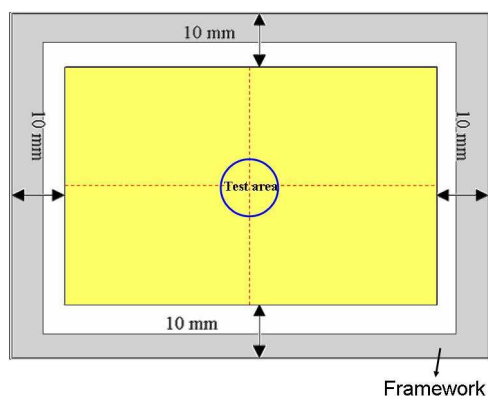
4.3 Chattering : 25~30msec or less

### 5. MECHANICAL PERFORMANCE

5.1 Input : Through a special stylus or finger

5.2 Surface hardness :  $\geq 6H$  (Follows JIS K 5600 standard, use Mitsubishi Pencil 750g)

5.3 Impact Resistance : Steel ball drop test with the size of  $\Phi 38\text{mm}$ , the weight of 227g, fall from 1.6m height of central position of touch screen. The touch screen shall be placed on top of an acrylic back plane during the procedure.



### 6. OPTICAL PERFORMANCE

6.1 Transmission :  $87 \pm 2\%$

### 7. Product Code rule

7.1 Following MILDEX regular product code rule except customer offer his comments.

It is possible to tracking the product by product code.

