

Product Features

Item	pec.	Remarks
(Product structure)	G+G	
(AVdimensiondescription)	18.5I inch	
(V. A. Size)	409.8*230.4mm(±0.3mm)	
(Total Thickness)	2.9mm (±0.3mm)	
(Outline Dimension)	456.8*277.4mm(-0.3mm)	Black screen printing
(O. D. Fillet)	R9mm(±0.3mm)×4	
(Coverlens Thickness)	2.0mm(±0.1mm)	
(ITO Glass Size)	428.0*253.3mm(±0.3mm)	
(ITO Glass Thickness)	0.7mm(±0.05mm)	

Electrical structure

Item	Spec.	Remarks
(Sensing IC)	ILI2510/WD8752	
(Number of Channels)	RX52*TX30	
(Support Contact)	10	
(Number of Touch Keys)	0	
(Interface form)	USB	
(Work voltage)	5V	

Environmental Characteristics

Item	Temperature	Humidity
(Operating)	-20-60℃	20%RH-90%RH
(Storage)	-30-70℃	10%RH-90%RH

Optical and mechanical properties

(Item)	(Spec.)	(Remarks)
(Transparency)	$\geq 85\%$	
(Haze)	$\leq 3\%$	
(Surface hardness)	6H(Apply a force of 500g.)	
(Falling ball)	$\geq 50\text{cm}$, 64g Steel ball	

Remark:

1. It is not the defect that the dust from the environment.
2. It is not the defect that the damage caused by teardown.

Precautions during the assembly

1. Cautions for Storage

Store per the temp. & humidity requirements in the Sample Approval Sheet. Avoid direct sunlight and heavy pressure.

2. Cautions for unpacking

- 2.1 Minimize handling frequency.
- 2.2 Use handling tools whenever possible.
- 2.3 Max. stacking: 3 layers. Handle with care and place upright.

3. Assembly precautions

- 3.1 Do not apply excessive pulling force to the product.
- 3.2 To maintain product clarity, wear finger cots or gloves before handling. Caution: glass edges/corners.
- 3.3 When picking up, do not pull the FPC or hold corners with one hand—excessive force may cause bubbles/delamination.
- 3.4 During assembly, do not forcefully pull the FPC, as it may peel off.
- 3.5 Do not pull the FPC sideways—side force may cause cracking. Maintain a 0.2 - 0.5mm gap with our TP.
- 3.6 Follow ESD protection during production to prevent damage.