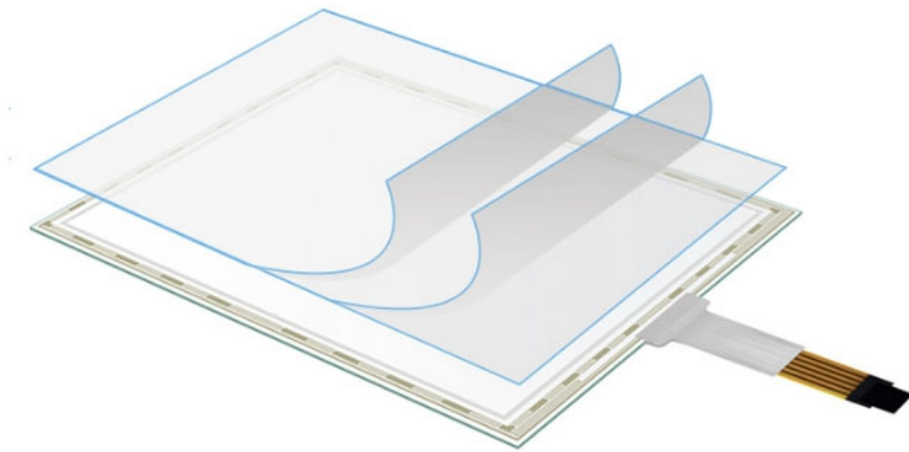


## Product Description



5 Wire Resistive Touch Screens  
Available Size 7 Inch-32 Inch  
**5 Wire Resistive Touch Screen, 7" -22", OEM ODM**  
Technical Data

Part Number	TDS185A5K02
Screen Diagonal	18.5"
Format	16:9
Active Area (L*W:mm)	409.79*230.4
View Area (L*W: mm)	418.8*237

Outline Dimension (L*W:mm)	429.37*253.6
Surface Disposal	Anti-Glare Coating Anti-Newton Ring Glare (Option)
Glass Thickness	1.3/ 1.8mm
Touch Technologies	
Touch Technologies	Analog Resistive 5-Wire Touchscreen
Sensor Construction	ITO Film and ITO Glass
Input Method	Finger Gloved hand Passive stylus
Active Force	≤ 45g~110g
Linearity Error	≤1.5%
Response Time	10ms
Surface resistance	200Ω~900Ω
Operating Life	Finger Input Over 5,000,000 hits Character Input (pen) Over 100,000 Characters
Surface Hardness	Over 3H (per ASTM D3363) based on technology requests
Environmental Specifications	
Light Transmission	Over 80% (Meet ASTM D1003)
Operating Temperature	-20°C ~ 70°C (no condensation)
Storage Temperature	-30°C ~ 80°C (no condensation)
Operating Humidity	10%~90% RH at 60°C, non-condensing

Storage Humidity	10%~90% RH at 40°C, non-condensing
Chemical Resistance	Alcohol, Gasoline, Machine Oil, Ammonia, Glass Cleaner, Mayo Vinegar, Lipstick, Toluene, Trichloroethylene, Athetone, Wine,
Electrical Characteristics	
Operation Voltage	Typical +DC 5V (3~7 V)
Interface	FPC Pintch 0.5mm/1mm (connect with mainboard) Via Controller Board: 1. Full Duplex USB 2.0 (Full Speed) Plug and play compatible 2. Serial RS-232. Baud Rate: 9600, 8 Data Bits, 1 Stop Bit, No P
Current	5mA~25mA
Electrostatic Endurance	No abnormal appearance after 10kv, 100Ω, 250PF electrostatic
Isolation Resistance	>20MΩ @ DC 25V
Resistance	300Ω< X Axis <900Ω, 200Ω< Y Axis <800Ω (according sizes)
Reliability Tests	
Heat Cycle	70°C /240 hrs
Cold Cycle	-40°C /240 hrs
Thermal Cycle	-40°C ~70°C [60 min./cycle] *10 cycles
Resistive Touch Drivers	
Operation System	Dos, Windows ME,Windows 95,Windows 98,Windows NT4.0,W Windows 2000,Windows 7,Windows 8,Windows 10 Mac OS Linux

## Android

\* The specification is subject to change without prior notice.