

4-Wire Analog Resistive Touch Screen General Specifications

Temperature Rating	1. Operating Temperature Range	-20°C to 60°C (Humidity: 20% to 90% RH)
	2. Storage Temperature Range	-30°C to 70°C (Humidity: 20% to 90% RH)
Optical	1. Transmittance	80% or more
Electrical	1. Voltage	5 VDC
	2. Resistance Between Leads	200-900 Ohm
	3. Linearity	Less than 1.5%
	4. Insulation Resistance	20M Ohms or more at 25VDC
	5. Chattering Time	10ms or less with 100MOhm Pull-Up
Mechanical	1. Input Methods	Special Stylus or Finger
	2. Operating Force	Stylus: 80g or Less (0.8mm radius Polyacetal Pen)
		Finger: 250g or Less (8.0mm radius HS40 Silicone Rubber)
3. Surface Hardness	3H or more (according to JIS-K5400)	
Reliability	1. High Temperature Test	240 hours at 80°C
	2. Low Temperature Test	240 hours at -40°C
	3. Humidity Test	240 hours at 60°C, 90% RH
	4. Thermal Shock Test	One cycle is 30min at -40°C and then 30min at +80°C (10 Cycles)
Durability	1. Writing Friction Resistance	Write 150,000 times in 30 mm (force: 250gf, speed: 60 mm/sec)
	2. Touch Life	Touch 2 million times 8.0mm R silicone rubber (force: 250gf, speed: 2 cycles/sec)
	3. Heat Seal Peeling Strength	400gf / cm or more (peeling upward by 90° in direction of x, speed: 50mm/min)

To inquire about HantouchUSA touch screens,
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