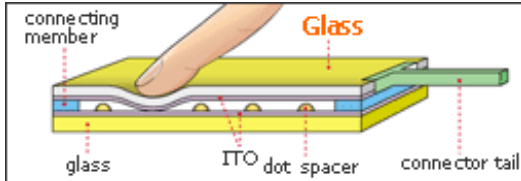


Glass resistive 4 wire touch screen

A resistive touch screen that features durability to match the most demanding applications such as military, marine, avionics and industrial displays where the tough finish and wide temperature stability are required.



The hard glass front surface provides the scratch resistance and ruggedisation typically associated with glass touch technologies such as capacitive or surface wave acoustic, but has the flexibility of use just like a standard resistive due to the flexible borosilicate glass surface



COTS integrated enhancement options:

- AS anti-sparkle non-glare etch front surface
- EmiClare MicroMesh or EMI-ito coating for EMI shielding
- ThermoClare transparent heaters for low temperature operating
- Chemically strengthened laminated glass for anti-vandal protection
- Circular polarisation for sunlight readability

Glass resistive specification

Glass resistive specification		
Rating	Voltage	DC 5V (Max 5.5V, 1mA)
	Operation Temperature	-30°C to +70°C
	Storage Temperature	-40°C to +85°C
Optical	Transmittance	80% T @ 550nm (standard glass)
Electrical	Linearity	Less than 3%
	Insulation Resistance	10MΩ or more at DC 25V
	Chattering Time	less than 10ms
	Controller	Available for serial / USB / PS2
Reliability	High Temperature Test	240 hours at 85° (RH: 40-50%)
	Low Temperature Test	240 hours at -40°
	Thermal Shock Test	One cycle is 30min at -40° and then 30min at +85° (200cycles)
	Humidity Test	240 hours at +60°, 95% RH
Mechanical	Surface Hardness	4H (JIS-K5400,350gf)
	Input Method	Finger, stylus
Durability	Touch life	Touch 1 million Times (Surface Radius 12.0mm Silicone rubber(Hardness 60° HS)) (force: 3N, speed: 2cycles/sec)

Standard screens sizes

Size	Outside Dimension	Viewable Area	Active Area
7.0"	173 x 106mm	160.5 x 92mm	157.5 x 89mm
8.4"	192 x 144mm	173.4 x 130.8mm	170.4 x 127.8mm
10.4"	228.4 x 172.5mm	211.4 x 158.5mm	207.4 x 154.5mm
12.1"	272 x 203.5mm	251 x 189mm	247 x 185mm
15.1"	323.9 x 244.2mm	306.9 x 230.2mm	302.9 x 226.2mm
17"	376 x 282.2mm	353.6 x 264.7mm	345.5 x 259.1mm