Bergquist Part Number: 400553

Revision: A

Description: 12.1" Projected Capacitive Touch Screen

Mechanical Dimensions and Construction.

	Specification	Remarks
Overall Dimensions	268.50mm x 210.50mm	+/- .30mm
Overall Thickness	1.75mm	+/- .20mm
Viewable Area	253.00mm x 191.50mm	+/- .50mm
Active Area	252.00mm x 190.50mm	+/- .50mm
Nominal Glass Thickness	1.1mm	

*See mechanical drawing for additional specification

Environmental Specification

	Specification	Remarks
Operating Temperature	-20° C ~ +70° C	Standard
Storage Temperature	-40° C ~ +80° C	Standard
Constant Temperature/ Humidity	40° C/ 90% RH	Non Condensing. Tested at ambient temperature after cycle
Thermal Shock	N/A	Tested at ambient temperature after cycle
Chemical Resistance	Acetone, methylene chloride, methyl ethyl ketone, isopropyl alcohol, mineral spirits, unleaded gasoline, diesel fuel, antifreeze, vinegar, coffee, tea, cooking oil, most commercial cleaners including laundry detergent, and ammonia based glass cleaners	10 minutes at room temperature

Optical Characteristics

	Specification	Remarks
Light Transmission	>88%	Clear
Haze	<3%	Clear

Linearity Characteristics

	Specification	Remarks
Direction X	<1.5% (Inner A.A.), <2.5% (10mm Perimeter of A.A.)	Linearity is the value of the max. error voltage
Direction Y	<1.5% (Inner A.A.), <2.5% (10mm Perimeter of A.A.)	Linearity is the value of the max. error voltage

Durability

	Specification	Remarks
Activations	Unlimited	
Activation Force	Forceless	
Top Film Hardness	Mohs 5	ASTM D3363
Tail Bond Strength	500gw at 90°	Tail Pull

Electrical Specifications

	Specification	Remarks
Operating Voltage	5.5V or Less	
Insulation Resistance	≥ 10 MΩ at 25 V(DC)	
Electostatic Protection	20 discharges at 15Kv	EN 61000-4-2

Warranty

Mechanical Drawing

** See attached drawing