



**Bergquist Part Number: 400333**

**Revision: A**

**Description: 3.5" 5-wire Resistive Touch Screen**

**Mechanical Dimensions and Construction.**

	<b>Specification</b>	<b>Remarks</b>
<b>Overall Dimensions</b>	3.309" x 2.539", 84.04mm x 64.50mm	+/- .015", +/- .20mm
<b>Overall Thickness</b>	.055", 1.4mm	+/- .008", +/- .20mm
<b>Viewable Area</b>	2.915" x 2.216", 74.04mm x 56.28mm	+/- .015", +/- .20mm
<b>Active Area</b>	2.836" x 2.137", 72.04mm x 54.28mm	+/- .015", +/- .20mm
<b>Nominal Glass Thickness</b>	.043", 1.1mm	

\*See mechanical drawing for additional specification

**Environmental Specification**

	<b>Specification</b>	<b>Remarks</b>
<b>Operating Temperature</b>	-10° C ~ +70° C	
<b>Storage Temperature</b>	-40° C ~ +80° C	
<b>Constant Temperature/ Humidity</b>	70° C/ 80% RH/ 500 Hrs.	Tested at ambient temperature after cycle
<b>Thermal Shock</b>	-40° C ~ +80° C 60 min/cycle/100 times	Tested at ambient temperature after cycle
<b>Chemical Resistance</b>	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	

**Optical Characteristics**

	<b>Specification</b>	<b>Remarks</b>
<b>Light Transmission</b>	>75%	Anti-Glare
<b>Haze</b>	<5%	Anti-Glare

**Linearity Characteristics**

	<b>Specification</b>	<b>Remarks</b>
<b>Direction X</b>	<1.5%	Linearity is the value of the max. error voltage
<b>Direction Y</b>	<1.5%	Linearity is the value of the max. error voltage



## Durability

	<b>Specification</b>	<b>Remarks</b>
<b>Activations</b>	35 Million	
<b>Activation Force</b>	≤50g Stylus	
<b>Top Film Hardness</b>	3H	ASTM D3363
<b>Tail Bond Strength</b>	>13 lbs	Straight Tail Pull

## Electrical Specifications

	<b>Specification</b>	<b>Remarks</b>
<b>Operating Voltage</b>	5.5V or Less	
<b>Insulation Resistance</b>	≥ 20 MΩ at 25 V(DC)	
<b>Electrostatic Protection</b>	20 discharges at 15Kv	EN 61000-4-2

## Warranty

5-year limited warranty

## Mechanical Drawing

\*\*See attached drawing