

Bergquist Part Number: 400399

Revision: C

Description: 8.4" 5-wire Resistive Touch Screen

Mechanical Dimensions and Construction.

| | Specification | Remarks |
|--------------------------------|--------------------------------------|----------------------|
| Overall Dimensions | 7.720" x 5.900", 196.09mm x 149.86mm | +/- .020", +/- .50mm |
| Overall Thickness | .087", 2.2mm | +/- .008", +/- .20mm |
| Viewable Area | 6.882" x 5.205", 174.80mm x 132.20mm | +/- .020", +/- .50mm |
| Active Area | 6.748" x 5.071", 171.40mm x 128.80mm | +/- .020", +/- .50mm |
| Nominal Glass Thickness | .073", 1.85mm | |

*See mechanical drawing for additional specification

Environmental Specification

| | Specification | Remarks |
|---|---|---|
| Operating Temperature | -10° C ~ +70° C | |
| Storage Temperature | -40° C ~ +80° C | |
| Constant Temperature/ Humidity | 70° C / 80% RH / 500 Hrs. | Tested at ambient temperature after cycle |
| Thermal Shock | -40° C ~ +80° C 60 min/cycle/100 times | 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 | >80% +/- 1% | Anti-Glare |
| Haze | <9% +/- 1% | Anti-Glare |

Linearity Characteristics

| | Specification | Remarks |
|--------------------|----------------------|--|
| Direction X | <1.5% | Linearity is the value of the max. error voltage |
| Direction Y | <1.5% | Linearity is the value of the max. error voltage |

Durability

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

Electrical Specifications

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

Warranty

5-year limited warranty

Mechanical Drawing

**See attached drawing