

Bergquist Part Number: 400428

Revision: E

Description: 8.5" 4-wire Resistive Touch Screen

Mechanical Dimensions and Construction.

| | Specification | Remarks |
|--------------------------------|----------------------|----------------|
| Overall Dimensions | 188.90mm x 141.70mm | +/- .30mm |
| Overall Thickness | 1.9mm | +/- .10mm |
| Viewable Area | 174.00mm x 131.50mm | +/- .50mm |
| Active Area | 172.00mm x 129.50mm | +/- .50mm |
| Nominal Glass Thickness | 1.6mm | |

*See mechanical drawing for additional specification

Environmental Specification

| | Specification | Remarks |
|---|---|---|
| Operating Temperature | -10° C ~ +60° 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/10 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 | 81% ± 3% | Anti-Glare |
| Haze | 9.5% ± 4% | 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 | 10 Million | |
| Activation Force | ≤82g Stylus | |
| Top Film Hardness | 3H | ASTM D3363 |
| Tail Bond Strength | >13 lbs | 90° Tail Pull |

Electrical Specifications

| | Specification | Remarks |
|---------------------------------|-------------------------------|----------------|
| Operating Voltage | 5.5V or Less | |
| Insulation Resistance | ≥ 10 MΩ at 25 V(DC) | |
| Electrostatic Protection | Withstands 15KV air discharge | EN 61000-4-2 |

Warranty

1-year limited warranty

Mechanical Drawing

**See attached drawing