

Rayshine Photonics Corp.
Resistive Touch Screen Specification Data

Engineer approval:	Lawrence Wang	Date:	2015/01/30
To Customer:		Prepared	Vivien

	<u>Item</u>	<u>Condition</u>	<u>TRIO-RT</u>	<u>G-RT</u>
			<u>Surface Film</u>	<u>Surface 0.2mm glass</u>
<u>Environmental Characteristics</u>	Operation	-20~70°C	PASS	PASS
	Storage	-30~70°C	PASS	PASS
<u>Optical Characteristics</u>	Transparency	≥73%	≥73%	≥73%
<u>Electrical Characteristics</u>	Operation Voltage	5VDC	PASS	PASS
	Linearity Tolerance	≤2.0%	PASS	PASS
	Chattering	≤10ms	PASS	PASS
	Insulation	≥2MΩ, 25VDC	PASS	PASS
	Endurance	No arcing damage at 25VDC, 60sec	PASS	PASS
	Operative Resistance	≤2KΩ	PASS	PASS
<u>Mechanical Characteristics</u>	Active Force	Stylus R0.8	50g	≤500g
	Impact	Φ22.0mm Steel Ball, 45g, Height=100cm	PASS	PASS
	Static Load	15kg at Φ20mm area for 30sec	PASS	PASS
	Hardness	JIS K5400	3H pencil, pressure 500g	7H pencil, pressure 500g
	Tail Peeling	300g by 90 degree	PASS	PASS

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<u>Reliability</u>	Constant Temperature and Humidity	60°C, 90% RH, 240 hrs	PASS	PASS
	Heat Cycle	70°C, 240hrs and normalized for 4 hrs	PASS	PASS
	Cold Cycle	-30°C, 240 hrs and normalized for 4 hrs	PASS	PASS
	Thermal Cycle	-30°C~70°C, 0.5 hr each, 50 cycles and normalized for 4 hrs	PASS	PASS
<u>Durability</u>	Finger Touch	1 Million times	PASS	PASS

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