

Dot Matrix Units Reliability Test Result

LUM、LPM Series

1、Test result

Test items	Test condition	Judgment item	n(pcs) Sample Qty.	Pn NG Qty.
High temperature continuous conductivity	<ul style="list-style-type: none"> ▪ Ta=+45°C (Topr : Max) ▪ Vcc=5.0V VLED=5.0V ▪ 30Min. ON/OFF 全点灯 ▪ 1000Hr 	<ul style="list-style-type: none"> ▪ Surface Luminance ▪ Physical/Performance 	5	0
Room temperature intermittent conductivity	<ul style="list-style-type: none"> ▪ Ta=+25°C ▪ Vcc=5.0V VLED=5.0V ▪ 30分 ON/OFF 全点灯 ▪ 1000Hr 	<ul style="list-style-type: none"> ▪ Surface Luminance ▪ Physical/Performance 	5	0
Low temperature intermittent conductivity	<ul style="list-style-type: none"> ▪ Ta=-10°C (Topr : Min) ▪ Vcc=5.0V VLED=5.0V ▪ 30分 ON/OFF 全点灯 ▪ 1000Hr 	<ul style="list-style-type: none"> ▪ Surface Luminance ▪ Physical/Performance 	5	0
Temperature cycle	<ul style="list-style-type: none"> ▪ -40°C/+85°C 各30Min. ▪ 10Cycle 	<ul style="list-style-type: none"> ▪ Surface Luminance ▪ Physical/Performance 	5	0
High temperature storage	<ul style="list-style-type: none"> ▪ Ta=+85°C ▪ 1000Hr 	<ul style="list-style-type: none"> ▪ Surface Luminance ▪ Physical/Performance 	5	0
Higt temperature higt humidity storage	<ul style="list-style-type: none"> ▪ 温度 : +60°C、湿度 : 90% ▪ 1000Hr 	<ul style="list-style-type: none"> ▪ Surface Luminance ▪ Physical/Performance 	5	0
Vibration test	<ul style="list-style-type: none"> ▪ 周波数 : 10~150Hz ▪ 加速度 : 9.806m/s² ▪ 扫引周期 : 15Min. ▪ 4Times×3方向 	<ul style="list-style-type: none"> ▪ Surface Luminance ▪ Physical/Performance 	5	0

2、Failure criteria

Items	Failure criteria
Surface Luminance	Within 50% of the initial value
Physical/Performance	No abnormality on pysical、performance and function

※Brightness (cd/m²) evaluation is subject to measurement by our testing instruments.