To Maipu Communication Technology Co. Ltd,

No.ST13-230
September 2, 2013

Seiko Epson Corp.
TD· CS Quality Assurance Department

ESD test result of XG-2102CA-P

Thank you for choosing Epson as your Timing Device supplier.

We have completed an investigation of your requests, and the results are as below:

1 Test product
XG-2102CA-P

2 Human Body Model

2-1 Test condition

- IEC 60749-26 C=100pF R=1.5KΩ
- Criteria : ±2000V Min
- Sample : n=5

2-2 Test result

All test samples and all test terminals passed the criteria.

Table 1 Test result by Human body model condition

T.P	VDD(+) T.P(-)	VDD(-) T.P(+)	VSS(+) T.P(-)	VSS(-) T.P(+)
OE	≥2000V	≥2000V	≥2000V	≥2000V
Out / $\overline{\text{Out}}$	≥2000V	≥2000V	≥2000V	≥2000V
VDD			≥2000V	≥2000V
VSS	≥2000V	≥2000V		

3 Machine Model

3-1 Test condition

- IEC 60749-27 C=200pF R=0Ω
- Criteria : ±200V Min
- Sample : n=5

3-2 Test result

All test samples and all test terminals passed the criteria.

Table 2 Test result by machine model condition

T.P	VDD(+) T.P(-)	VDD(-) T.P(+)	VSS(+) T.P(-)	VSS(-) T.P(+)
OE	≥250V	≥250V	≥250V	≥250V
Out / $\overline{\text{Out}}$	≥250V	≥250V	≥250V	≥250V
VDD			≥250V	≥250V
VSS	≥250V	≥250V		