

|                            |           |      |        |
|----------------------------|-----------|------|--------|
| SPEC SHEET (FOR REFERENCE) | SHEET No. | Rev. | Page.  |
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|                    |               |
|--------------------|---------------|
| TYPE:6PC2302N1A* * |               |
| CHIP SIZE          | 0.56 * 0.43mm |
| WAFER SIZE         | 6 inch        |

Maximum Ratings (Ta=25°C)

| Characteristics      | Symbol           | Ratings | Unit |
|----------------------|------------------|---------|------|
| Drain-Source voltage | V <sub>DSS</sub> | 20      | V    |
| Gate-Source voltage  | V <sub>GSS</sub> | ±8      | V    |

WAFER PROBING SPEC (Ta=25°C)

| TEST NO. | MODE            | LIMIT |      |       |      | CONDITION          |
|----------|-----------------|-------|------|-------|------|--------------------|
|          |                 | MIN   | Typ  | MAX   | UNIT |                    |
| 1        | IGSS            |       |      | ±3    | uA   | VGS=±8.0V, VDS=0V  |
| 2        | IDSS            |       |      | 500   | nA   | VDS=20.0V, VGS=0V  |
| 3        | BVDSS           | 23.0  |      |       | V    | ID=250uA, VGS=0V   |
| 4        | V <sub>th</sub> | 0.53  |      | 1.1   | V    | ID=250uA, VGS=VDS  |
| 5        | RDS(on)1        |       | 0.14 | 0.23  | ohm  | ID=600mA, VGS=4.5V |
| 6        | RDS(on)2        |       | 0.2  | 0.275 | ohm  | ID=500mA, VGS=2.5V |
| 7        | RDS(on)3        |       | 0.3  | 0.7   | ohm  | ID=350mA, VGS=1.8V |
| 8        | RDS(on)4        |       | 0.5  | 9.5   | ohm  | ID=40mA, VGS=1.5V  |
| 9        | VSD             | 0.5   |      | 1.1   | V    | IS=200mA, VGS=0V   |

※Built in ZD between Gate and Source