



QUALITY PROVISIONS AND CONDITIONS OF PURCHASE

The following provisions are applicable when specified on the purchase order. Semi Dice Inc. (SDI) reserves the right to return any product which is not in conformance with the specified provisions.

- 1. Inspection System Requirement** – the seller shall maintain a quality and inspection systems which is in conformance with one of the following or equivalent as determined by SDI quality; ISO9001, AS9100.
- 2. Calibration System Requirement** – the seller shall maintain a calibration system for all inspection and test equipment which is in conformance with one of the following or equivalent as determined by SDI quality; ISO10012, ANSI/NSCLZ540-1.
- 3. Certificate of Conformance** – the seller must provide with each shipment a certificate of conformance signed by the seller’s quality representative, certifying that all material, processes and or finished goods or services supplied under this order are as specified. At a minimum the cert must indicate the purchase order number, part number and quantity. The individual lot number must be noted on each container holding devices. When the seller is a distributor, in addition to the above, a certificate of conformance from the OCM containing the same information must be provided.
- 4. Traceability** – all items furnished on this order shall have documentation on file to permit traceability of the delivered items back through its manufacture and inspection to the procurement records on its constituent parts and materials. The individual lot number must be listed on each container holding devices.
- 5. Minimum Lot Size** – the seller shall supply product for this order from production lots of minimum size of 400 pcs. Line items which are less than 400 pcs shall be supplied from one lot.
- 6. Lot Identification** – all materials fabricated by the seller in one lot shall be identified to that lot. When the seller combines material fabricated in two or more different lots to fulfill the purchase order requirements, these materials shall be segregated and identifiable to the lots from which they were fabricated. The individual lot numbers must be noted on each container holding devices.
- 7. Wafer Identification** – all material fabricated by the seller in one wafer shall be identified to that wafer. When the seller combines material fabricated in two or more wafers to fulfill the purchase requirements, these materials shall be segregated and identifiable to the individual wafers from which they were fabricated.
- 8. Wafer Mask** – the seller shall supply each line item specifying a wafer mask or geometry from product with only that wafer mask or geometry.
- 9. Single Lot Per Line Item** – the seller shall supply each line item specifying “1” lot from a single lot.
- 10. Glassivation/Passivation** – the seller shall guarantee that all items furnished on this order have an insulating material that covers the active circuit area, with the exception of the bond pad area(s) to protect the die from damage during assembly.

- 11. 100% Electrical Testing** – all items furnished on this order shall have been electrically tested to insure product compliance to the manufactures published parameters. For wafer/die product all devices shall have been subjected to electrical probe testing, per the manufacturers internal limits, conditions and specifications. Visual verification of die for evidence of probe contact will be done by SDI quality representative utilizing 100 power magnification.
- 12. Semi Dice** reserves the right to reduce or cancel this order at no penalty to SDI outside of a 30 day window.
- 13. Semi Dice** reserves the right to reschedule any product unless noted on the order.
- 14. Semi Dice** reserves the right of entry to the suppliers facility to verify quality of work, records and materials. This right of entry will extend to SDI customers and or regulatory agencies.
- 15. EAR / ECCN** - Classification number is required to be identified on the manufacturer provided documentation; certificate of conformance or packing slip.
- 16. ESD Program** – For parts susceptible to damage from electrostatic discharge, the supplier is responsible to establish, implement and maintain an ESD Control Program per the latest revision of one of the following MIL-STD-1686, ESD 2020 or equivalent. ESD susceptible devices shall be adequately packaged and marked with an ESD cautionary note and or symbol.
- 17. Product Obsolescence and Product Changes Without Approval** – The supplier shall notify SemiDice of any planned product changes including manufacturing, materials or test facility, as well as component obsolescence prior to the acceptance of the purchase order. In addition the supplier shall notify SemiDice of any plans to obsolete material on existing orders, with sufficient notice to facilitate an option for last time buy.
- 18. Document Retention** – Manufacturing, inspection and test records shall be maintained for a period of 7 years.
- 19. Nonconforming product** – The seller must notify SemiDice within 48 hours of identifying nonconforming product that has shipped to SemiDice.
- 20. Flow Down** – The seller must flow down all requirements to their sub-tier suppliers.
- 21. Counterfeit Parts** – the seller must not allow counterfeit parts to enter the supply chain and must maintain a program compliant to AS5553 and/or AS6496.
- 22. Awareness** - The seller must ensure persons are aware of their contribution to product and service conformance, product safety and the importance of ethical behavior.