

Die Products - Schottky, Rectifier, Small Signal Switching, TVS and Zener

Sensitron offers a large selection of Die Products, and have been used in space and high-reliability applications for more than 40 years. Our preferred parts list contains many standard voltages from 6.8 volt to 1000 volt die. Sensitron can perform Lot Acceptance Testing (LAT) in our JANS qualified facility, to the process flow following MIL-PRF-19500 Class H and Class K.

Die Product Features

- ✓ Available in Chip and Chip with Moly
 - Moly available one-side or two-sides
- ✓ Lot Acceptance Testing (LAT) available
- ✓ Standard polarity: anode top
 - Cathode top available
- ✓ Metalization options:
 - Aluminum: (Ti/Al)
 - Silver: (Ti/Ni/Ag)
 - Gold: (Ti/Ni/Au)
- ✓ Direct cross to industry standard parts
- ✓ FDA approved, medical quality

Die Size Options

Square: 15 mil to 275 mil

Hex: 50 mil to 125 mil

Other custom sizes available

General Purpose, Fast, Ultrafast Rectifier Die

- Voltage: 50 to 1000V
- 1A to 70A Chip
- Trr: 25ns to 3000ns

Schottky Die

- Soft reverse recovery at low & high temperature
- Broad voltage range: 15V-200V
- 1A to 120A Chip
- Very low forward voltage drop

TVS Die

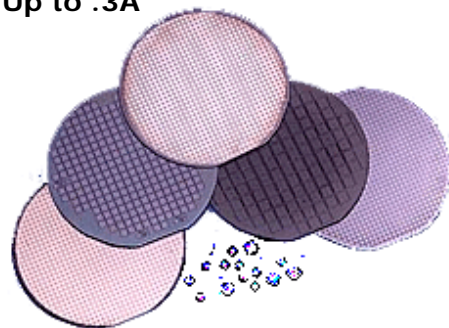
- Broad voltage range available: 6.8V to 152V
- Broad spectrum transient suppression
- 500W, 1500W, 5000W surge capability
- Unipolar

Zener Die

- Working Voltage: 6.8V to 390V
- Power: 500mW – 5W
- 5% tolerance for Vz

Small Signal Switching Die

- Voltage: 70 to 150V
- Up to .3A



For a comprehensive list, view our catalog for download at: www.sensitron.com/dieproducts.htm

About Sensitron:

Sensitron is a leading manufacturer of high reliability power electronic solutions including motor controllers, smart power management and conversion, diodes and voltage protection components and embedded boards. Sensitron has over 40 years heritage of serving the complete spectrum of reliability markets including space, aerospace, medical, and defense. <http://www.sensitron.com>