

# oSSD SATA3

## On-Chip Storage



Product Description: TEXT

- Form Factor: BGA313 SIP chip
- Supports SATA III Standard Protocol, compatible with SATA II, SATA I
- Capacity:
  - pSLC: 512GB (max)
  - MLC: 1TB
- Performance:
  - 4KB Random Read 60K IOPS
  - 4KB Random Write 70K IOPS
  - Sequential Write 560MB/s(max)
  - Sequential Write 450MB/s (max)
- Operating Temperature:
  - -40°C to +85°C
  - 0°C to +70°C
- Power Supply:
  - 3.3V, 1.8V, 1.54V, 1.2V, power consumption 4.5W (max)
- Physical Features:
  - Dimension 14mmx 18mmx1.8mm
  - Weight ≤ 1g
- Data Security:
  - With conformal coating
  - Supports ATA command data erasure
  - Supports one-key data erasure (GPIO external pin)
  - Supports power failure protection
- Standard Compliance/ Support:
  - MIL-STD-810
  - SATA IO
  - JEDEC Endurance