

Product Information

| Product Name | M.2 2260 SSD |
|----------------------|--|
| Ordering Information | NSM260K032-EP NSM260K064-EP NSM260K128-EP NSM260K032-ET NSM260K064-ET NSM260K128-ET NSM260K032-IP NSM260K064-IP NSM260K128-IP NSM260K032-IT NSM260K064-IT NSM260K128-IT NSM260J016-IP NSM260J032-IP NSM260J064-IP NSM260J016-IT NSM260J032-IT NSM260J064-IT |
| Grade Temperature | Industrial Grade: -40 ~ 85°C Extended Test: 0 ~ 70°C |

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MTBF

Sample size: 220 pcs

Test conditions: 65°C

Pass/fail criteria: MTBF to 2,500,000 hours

| Arrhenius Temperature Accelerated Model (Confidence Level: 60%) | | | | | |
|---|------------------|------|--------------------|---------------|-------|
| Parameter | Value | Unit | Parameter | Value | Unit |
| Ambient Temp. (T2) | 308.00 | °K | Ambient Temp. (T2) | 35 | °C |
| Chamber Temp. (T1) | 338.00 | °K | Chamber Temp. (T1) | 65 | °C |
| Activation Energy (Ea) | 0.7 | eV | Total Test Time | 221,760 | hours |
| Boltzman Constant (K) | 0.000086171 | | Failure Quantity | 0 | units |
| Acceleration Factor (A) | 10.3903 | | Test Ratio | 0.9163 | |
| MTBF | 2,514,627 | | | | |

| Arrhenius Temperature Accelerated Model (Confidence Level: 60%) | | | |
|---|----------|----------|----------------|
| | Quantity | Time | Total |
| Passed Samples | 220 | 1008 | 221,760 |
| Failed Samples | 0 | 0 | 0 |
| Subtotal | 0 | - | 221,760 |

M.2 Endurance Evaluation

| M.2 2260 | JEDEC workload |
|---------------|----------------|
| Capacity (GB) | Endurance (TB) |
| 32GB | Up to 30 TB |
| 64GB | Up to 55 TB |
| 128GB | Up to 110 TB |

Note: TBW value is derived from JEDEC based on population of SSDs statistics.

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