



The DATARAM SSDM2-SATA M.2 (Solid State Drive) family fully consists of semiconductor devices using NAND Flash Memory which provide high reliability and high performance for a storage media. The SSD does not have any moving parts such as platter (disk) and head media, which provides a better solution in a notebook PC, Tablet PC and industrial PC for a storage device providing higher performance, reduced latencies, and a low power consumption in a small form factor.

### Identification/Capacity

SSDM2-SATA-256GB

### Form Factor:

M.2 2280

### Host interface:

SATA 6.0Gbps (SATA-III)

SATA 3.0Gbps (SATA-II)

SATA 1.5Gbps (SATA-I)

### Power Consumption

Active write: 4280mW

Active read: 2780mW

### Performance

Host transfer rate:

Sequential Read: Up to 500MB/s

Sequential Write: Up to 550MB/s

Access Time: 0.2ms

Seek Time: 0ms

### Temperature

Operating: 0°C to 70°C

### MTBF

– 1,000,000 Hours

### Shock

Shock: 1500G, duration 0.5ms, Half Sine Wave

Vibration : 7~800Hz, 3.08Grms, 30min/axis (X,Y,Z)

**Mechanical Specification**

- Length:  $80.0 \pm 0.2$  mm
- Width:  $22.0 \pm 0.2$  mm
- Thickness:  $2.20 \pm 0.15$  mm
- Weight:  $<7.0$ g

