


2.5" PATA SSD

SDE9D



GENERAL INFORMATION

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|----------------------------|--|
| TYPE | 2.5 inch PATA SSD |
| INTERFACE | IDE |
| DATA TRANSFER MODE | UDMA0-6, MDMA0-4 & PIO0-6 |
| CONNECTOR | 44PIN |
| OUTLINE DIMENSIONS | 100 x 69.85 x 9.5 mm |
| SERIES | SDE9D |
| CONTROLLER TYPE |  TDK GBDriver RA9 |
| FLASH TYPE | SLC |
| DENSITY RANGE | 1 GB - 64 GB |
| DATA RETENTION | 10 years @ life begin-10% 1 year @ life end |
| ENDURANCE ENTERPRISE WL | 1 GB ~ 4 GB: 50,000 P/E Cycles 8 GB ~ 32 GB: 100,000 P/E Cycles *Flash Block Level |

TEMPERATURE

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|-----------------------|--|
| OPERATING TEMPERATURE | Commercial: 0°C to +70°C Industrial: -40°C to +85°C |
| STORAGE TEMPERATURE | Commercial: -25°C to +85°C Industrial: -40°C to +85°C |

PERFORMANCE

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|--------------|--------------|
| Read (max.) | 50 MByte/sec |
| Write (max.) | 35 MByte/sec |

ROBUSTNESS

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|-----------|--------------------------------|
| MTBF | ≥ 2,000,000 hours |
| SHOCK | 1500G, 1.0ms |
| VIBRATION | 20G, 10-2000Hz |
| HUMIDITY | 0 to 90 % RH (No condensation) |

ELECTRICAL DATA

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|-------------------|--|
| VOLTAGE | 5 V ± 10 % |
| POWER CONSUMPTION | - Single mode UDMA Read Write: 80mA - 2ch mode UDMA Read Write: 135mA - Stand-by: 5mA |

FEATURE LIST

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|------------------|---|
| FEATURES & TOOLS | <ul style="list-style-type: none"> - In-House Designed Controller (HW/FW) <ul style="list-style-type: none"> - Power Fail Data Safety - Power Back-up Circuit - Global static wear leveling <ul style="list-style-type: none"> - SMART - TRIM |
| PART NUMBER | SDE9DxxxxTxxxB00ESA0 |