


## 2.5" PATA SSD

### SDE9D



#### GENERAL INFORMATION

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

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

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

#### ROBUSTNESS

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

#### ELECTRICAL DATA

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

#### FEATURE LIST

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