

[2D NAND Storage]


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 (*RT)	- Single mode UDMA Read Write: 80mA - 2ch mode UDMA Read Write: 135mA - Stand-by: 5mA

FEATURE LIST

FEATURES & TOOLS	- In-House Designed Controller (HW/FW) - DRAM-less Design - Power Fail Data Safety - Power Back-up Circuit - Global static wear leveling - SMART - TRIM
PART NUMBER	SDE9DxxxxTxxxB00ESA0