


2.5" SATA SSD



SDT2A



GENERAL INFORMATION

TYPE	2.5 inch SATA SSD (7mm / 9mm)			
INTERFACE	Serial ATA Revision 3.2			
DATA TRANSFER MODE	SATA 1.5Gbps, 3.0Gbps, 6.0Gbps			
CONNECTOR	15 + 7 pin Serial ATA			
OUTLINE DIMENSIONS	100.2 x 69.85 x 7 mm / 9.5 mm			
SERIES	SDT2A			
CONTROLLER TYPE	 TDK GBDriver GS2			
FLASH TYPE	3D - SLC mode		3D - TLC mode	
	3D - Gen3	3D - Gen5	3D - Gen3	3D - Gen5
DENSITY RANGE	16 GB - 256GB	16 GB - 512 GB	50 GB - 800 GB	50 GB - 1600 GB
DATA RETENTION	10 years @ life begin 1 year @ life end			
ENDURANCE	30,000 P/E Cycles		3,000 P/E Cycles	
ENTERPRISE WL	*Flash Block Level		*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.)	345 MByte/sec
Write (max.)	295 MByte/sec

ROBUSTNESS

MTBF	≥ 2,000,000 hours
SHOCK	1,000G,1.0ms
VIBRATION	20G,10-2000Hz
HUMIDITY	0 to 90 % RH (No condensation)

ELECTRICAL DATA

VOLTAGE	5 V ± 10 %
POWER CONSUMPTION (*RT)	- Read: 1070 mW max. - Write: 1270 mW max. - Slumber: 200mW

FEATURE LIST

FEATURES & TOOLS	<ul style="list-style-type: none"> - In-House Designed Controller (HW/FW) - SLC Cache, LDPC-ECC, RAID - Temperature monitoring function - Write-protected area setting tool (on request) <ul style="list-style-type: none"> - DRAM-less Design - Power Fail Data Safety - Power Back-up Circuit - Global static wear leveling <ul style="list-style-type: none"> - SMART (life monitor) - NCQ, TRIM - AES 256 bit encryption, TCG-OPAL (on request)
------------------	--

PART NUMBER	SDT2AxxxxKHxxAx0ESA0	SDT2AxxxxKMxxAx0ESA0	SDT2AxxxxKGxxAx0ESA0	SDT2AxxxxKLxxAx0ESA0
-------------	----------------------	----------------------	----------------------	----------------------

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Solid State Drives - SSD category](#):

Click to view products by [TDK manufacturer](#):

Other Similar products are found below :

[MTFDDAC512MAM-1K1](#) [MX30LF4G18AC-XKI](#) [SM668GE4-AC P0122](#) [SDUFD33-016G](#) [SD7SN6S-128G-1122](#) [MTFDDAA120MBB-2AE1ZABYY](#) [SM668GXB-ACS O1118](#) [SDSDAA-016G](#) [SDINADF4-64G-H](#) [MTFDDAA240MBB-2AE1ZABYY](#) [SQF-SDMM2-256G-S9E2403291](#) [MTFDKBA1T0TFH-1BC1AABYY](#) [SFSA032GM2AK1TB-I-EB-51K-STD](#) [SFSA064GM2AK2TB-I-EB-51K-STD](#) [SFSA960GS2AK2TB-C-XC-21E-STD](#) [SFSA032GM2AK1TB-I-EB-11K-STD](#) [SFSA160GM2AK1TB-I-XC-11K-STD](#) [SFSA480GM2AK1TB-C-XC-11E-STD](#) [SFSA960GM2AK2TB-I-XC-21E-STD](#) [SFSA064GV2AK2TB-I-EB-21K-STD](#) [SFSA480GS2AK4TB-I-EB-21E-STD](#) [SFSA960GM2AK2TB-C-XC-51E-STD](#) [SFSA032GV2AK1TB-I-EB-21K-STD](#) [SFSA320GV2AK2TB-I-XC-21K-STD](#) [SFSA480GS2AK4TB-C-EB-21E-STD](#) [SFSA960GM2AK2TB-I-XC-51E-STD](#) [SFSA960GS2AK2TB-I-XC-21E-STD](#) [MTFDKBA1T0TGE-1BK1AABYY](#) [MTFDDAK480TGB-1BC15TAYY](#) [SQF-S25Z4-256GDSDE](#) [SQF-SMSZ2-64GDSDE](#) [SQF-S25Z1-64GDSDE](#) [79700-G12801TC14-RS](#) [VTPM24CECI240-0011](#) [VTPM24CECI120-0011](#) [VTPM28CECI480-0011](#) [VTPM28CECI240-0011](#) [AF1TSTIC-ZH1](#) [SFSA160GV2AK4TB-I-EB-21K-STD](#) [SFSA064GM2AK2TB-I-EB-21K-STD](#) [SFSA960GM2AK2TB-C-XC-21E-STD](#) [SFSA160GM2AK4TB-I-EB-61K-STD](#) [SFSA480GM2AK4TB-I-EB-61E-STD](#) [SFSA320GM2AK2TB-I-XC-51K-STD](#) [SFSA480GM2AK1TB-I-XC-11E-STD](#) [SFSA480GM2AK4TB-C-EB-61E-STD](#) [SFSA320GM2AK2TB-I-XC-21K-STD](#) [SQF-SMSZ2-64GDSDC](#) [AF240GSTJA-8BCIP](#)