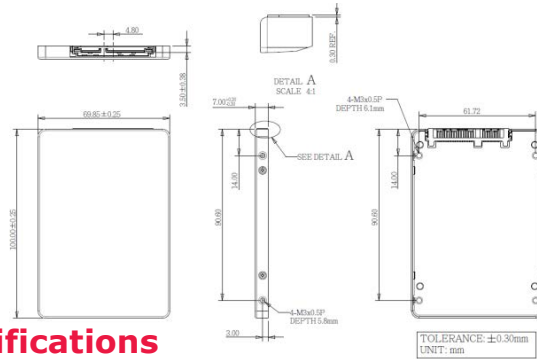


# 2.5" SATA SSD

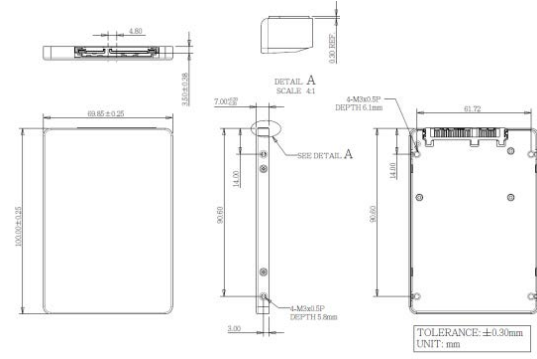
## 3TE7 series

### Diagram

\* DES25-XXXDK1EXXXF(1TB)



\* DES25-XXXDK1EXXXF(32GB~512GB)



### Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	32GB~1TB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	560 / 330 MB/s
4KB Random (QD32) R/W (IOPS)**	85,000/70,000
Max. Power Consumption	TBD
Thermal Sensor	✓
External DRAM Buffer	-
H/W Write Protect	Optional
AES encryption	✓
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	69.8 X 100.0 X 6.8 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours
* Performance based on CystalDiskMark 3.01 with file size 1000MB	

### Ordering Information (Please refer to TPS for detail)

Operation Temp.	32GB	64GB	128GB	256GB	512GB	1TB
Standard Grade (0°C ~ +70°C)	DES25-32GDK1EC3SF	DES25-64GDK1EC3DF	DES25-A28DK1EC3QF	DES25-B56DK1EC3QF	DES25-C12DK1EC3QF	DES25-01TDK1EC1QF
Industrial Grade (-40°C ~ +85°C)	DES25-32GDK1EW3SF	DES25-64GDK1EW3DF	DES25-A28DK1EW3QF	DES25-B56DK1EW3QF	DES25-C12DK1EW3QF	DES25-01TDK1EW1QF