


## Compact Flash™

### CFE9D



#### GENERAL INFORMATION

TYPE	CompactFlash™
INTERFACE	PCMCIA/IDE
DATA TRANSFER MODE	UDMA0-6, MDMA0-4 & PIO0-6
CONNECTOR	CFC Type I
OUTLINE DIMENSIONS	36.4 x 42.8 x 3.3 mm
SERIES	CFE9D
CONTROLLER TYPE	 TDK GBDriver RA9
FLASH TYPE	SLC
DENSITY RANGE	128 MB - 32 GB
DATA RETENTION	10 years @ life begin-10% 1 year @ life end
ENDURANCE ENTERPRISE WL	128 MB ~ 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	≥ 2,500,000 hours
SHOCK	1000G, 0.5ms
VIBRATION	15G, 10-500Hz
HUMIDITY	0 to 90 % RH (No condensation)

#### ELECTRICAL DATA

VOLTAGE	3.3 V ± 5 % / 5 V ± 10 %
POWER CONSUMPTION	- Single mode UDMA Read Write: 145mA @ 3.3V / 85mA @ 5.0V - 2ch mode UDMA Read Write: 220mA @ 3.3V / 130mA @ 5.0V - Stand-by: 10mA @ 3.3V / 10mA @ 5.0V

#### 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	CFE9DxxxxTxxxB00EAA0