Datasheet

# MicroSD Card 3ME3 series

- SD 3.0 interface
- Support Class 10 with UHS-I
- Adopt MLC NAND flash
- High performance
- Targeted for portable and stationary applications
- -SMART function supported



### Introduction

Innodisk MicroSD 3ME3 series, supporting class 10 with UHS-I, are specifically designed for industrial PC and embedded applications. The 3.0 series SD card has latest firmware architecture and Flash algorithms, including superior wear leveling, and read disturb management ensuring highest reliability and endurance.

Innodisk MicroSD 3ME3 series provide wide range capacities from 8GB to 64GB with excellent quality MLC NAND Flash, and fully compliant to SD3.0, and SD2.0 specifications.

With its low power consumption and features above, Innodisk MicroSD 3ME3 series can be applied on industrial automation, SBC (single-board computer), medical equipment, infotainment, and mobile application.



# MicroSD Card 3ME3 series

#### Contact us for more information about the MicroSD 3ME3 series.

Innodisk is a service-driven provider of industrial embedded flash storage products and technologies, with a focus on the cloud computing, industrial/embedded, and aerospace and defense industries.

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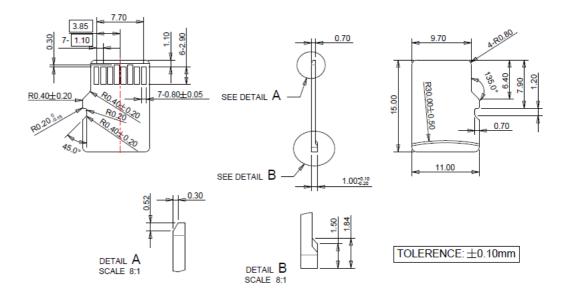
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# **Diagram**



# **Specifications**

Interface	SD 3.0		
Flash Type	MLC		
Capacity	8GB~64GB		
Max. Channels	1		
Sequential R/W (MB/sec, max.)	75/31		
Max. Power Consumption	0.49W (3.3V x 149mA)		
Thermal Sensor			
Extended DRAM buffer	-		
H/W Write Protect	-		
ATA Security	-		
S.M.A.R.T.	Υ		
Dimension (WxLxH)	11.0 X 15.0 X 1.0 mm		
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -25°C ~ +85°C MTBF: 3 million hours		

## **Ordering Information**

Operation Temp.	8GB	16GB	32GB	64GB
Standard Grade	DESDM-	DESDM-	DESDM-	DESDM-
(-25°C ~ +85°C)	08GS02SE1SK	16GS02SE1SK	32GS02SE1SK	64GS02SE1SK
Industrial Grade	DESDM-	DESDM-	DESDM-	DESDM-
(-40°C ∼ +85°C)	08GS02SW1SK	16GS02SW1SK	32GS02SW1SK	64GS02SW1SK

