

# NAND Flash Drive

## MSDB-xxxGK(SxxTLS)

Rev. 1.00

### 概要 Overview

microSD メモリーカードは、小型、薄型のメモリーカードです。/ microSD memory card is small and thin memory card.

対応スピードクラス/Speed Class

Speed Class 10

UHS Speed Grade 3

Video Speed Class 30

Application Performance Class A2

### 特徴 Features 機能 Functions

物理・電気的特性/Physical・Electronic Characteristics

様仕気電/ Electronic Specifications	圧電作動/ Operating Voltage: 2.7V ~ 3.6V(作動リモメ) / Memory Operation (SD 1,4Bitドーム, SPI対応ドーム/ SD 1,4Bit mode, and SPI mode supported) ※SD PHYSICAL LAYER SPECIFICATION Ver.6.10に準拠に/ ※Compliant with the SD PHYSICAL LAYER SPECIFICATION Ver.6.10
法寸形外/量質 Dimension/Weight	H: 15 W: 11 D: 1.0 ) mm約: 量質 (0.5g/ Weight: approx. 0.5g ※ Standard Size microSD Memory Card Mechanical Specification Ver.1.10に準拠に ※Compliant with the Standard Size microSD Memory Card Mechanical Specification Ver.1.10
性久耐、性頼信 Reliability, Durability	※SD PHYSICAL LAYER SPECIFICATION Ver.6.10及び microSD Memory Card Mechanical Specification Ver.1.10に準拠に※Compliant with the SD PHYSICAL LAYER SPECIFICATION Ver.6.10 and microSD Memory Card Mechanical Specification Ver.1.10
RoHS	対応/Compliant
CPRM	非対応/Not Support
ムテスシルイアフ File system	exFAT ※当社からの出荷時の状態 ※State at the time of shipment from HAGIWARA Solutions Co.,Ltd. ※SD Specification Part 2 File System Specification Ver.3.00に準拠に ※Compliant with the SD Specification Part 2 File System Specification Ver.3.00

サイズ/消費電流/ Capacity/Current consumption

サイズ/Size (KByte)	64GB	60,768,256
	128GB	121,753,600
	256GB	243,466,240
UHS消費電流/ Current consumption	Sequential Read	70mA *1
	Sequential Write	80mA(64GB/128GB), 90mA(256GB) *1

\*1: Ta=25°C弊社環境における実力値(Inrushは除く)/ \*1: Ta=25°C Actual value in our environment ( Inrush is excluded)

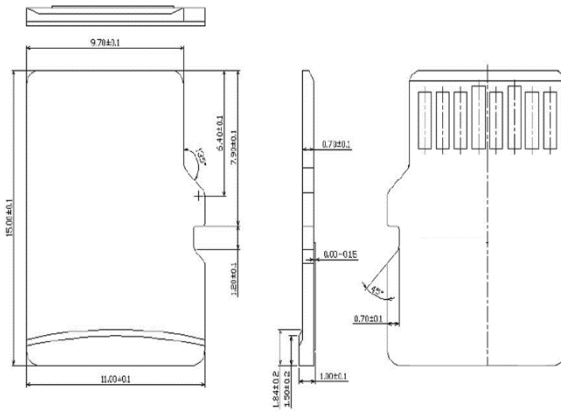
転送速度/Transfer rate

UHS転送速度/ Transfer rate	Sequential Read	90MB/s *2
	Sequential Write	45MB/s(64GB), 80MB/s(128GB/256GB) *2

\*2: 当社環境における実力値/\*2: Actual value in our environment

# 外形図

# Package View



# 仕様

# Specifications

シリーズ名/Series Name	MSDB-xxxGK(SxxTLS)
対応スピードクラス/Speed Class	Speed Class 10 UHS Speed Grade 3 Video Speed Grade 30
アプリケーションパフォーマンスクラス /Application Performance Class	Application Performance Class A2
フラッシュ/Flash Type	TLC
フォームファクタ/Form Factor	microSD Memory Card
容量/Capacity	64GB~256GB
外形寸法/Package view(mm)	H : 15 W : 11 D : 1.0
UHS転送速度/Transfer rate	Sequential Read 90MB/s Sequential Write 80MB/s (64GBは45MB/s)
動作電圧/Operating Voltage	2.7V ~ 3.6V (メモリ動作/ Memory Operation)
保存温度/Storage temperature	-40℃~85℃
動作温度/Operating temperature	-25℃~85℃

# 製品型名

# Product Models

MSDB-064GK(SxxTLS)  
MSDB-128GK(RxxTLS)  
MSDB-256GK(RxxTLS)

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