

Marson MT40W Specifications

Rev. 1.0, Oct. 2017

Optical & Performance

Light Source	635nm visible red LED
Sensor	Linear Image Sensor
Scan Rate	510 Scans/ sec
Resolution	3Mil/ 0.075mm
Scan Angle	65°
Print Contrast	30%
Width of Field	110mm (13Mil Code39) • Code 39 • 3 Mil : 35 ~ 70 mm • 4 Mil : 25 ~ 75 mm • 5 Mil : 25 ~ 95 mm • 10 Mil: 20 ~ 120 mm • 15 Mil: 30 ~ 150 mm • UPC/EAN • 13 Mil: 30 ~ 130 mm
D.O.F (@ 800 Lux)	

Physical Characteristics

Dimension	W32 x L24 x H11.6 mm
Weight	8g
Color	Black
Material	ABS
Connector	12pin ZIF (pitch=0.5mm)
Cable	12pin flex cable (pitch=0.5mm)

Power

Operation Voltage	3.3~5.0 VDC $\pm$ 5%
Working Current	< 150mA
Standby Current	< 70mA
Idle Current (Sleep Mode)	< 1uA

Connectivity

Interface/ Profile	• UART TTL only for MT40W-GK01
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User Environment

Operating Temperature	-10 ~ 60°C (for MT40WGK-01 : -20°C ~ 60°C)
Storage Temperature	-20 ~ 60°C
Humidity	0% ~ 95%RH (Non-condensing)
Drop Durability	1.5M
Ambient Light	70,000 Lux (Sunlight)
1D Symbolologies	UPC-A/UPC-E, EAN-8/EAN-13, Industrial 2 of 5, Codabar, Matrix 2 of 5, Code 11, Code 93, Code 32, Code 128, Standard Code 39, Full ASCII Code 39, Interleaved 2 of 5, China Postal Code, MSI Plessey Code, UK Plessey Code, EAN/UCC 128, Telepen Code, IATA Code, GS1 Databar

Regulatory

ESD	Functional after 4KV contact, 8KV Air discharge (requires housing that is designed for ESD protection and stray from electric fields)
EMC	FCC Part 15B Class B, CE EN55022/24/32
Safety Approval	EN/IEC62471 (Exempt Group)
Environmental	WEEE, RoHS 2.0

