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FOR IMMEDIATE RELEASE

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Mitsubishi Electric to Launch Transflective TFT-LCD Module

Market-leading image quality and wide operating temperature range for outdoor and mobile uses

TOKYO, February 20, 2019 – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced today the coming launch of a new 4.3-inch WQVGA transflective TFT-LCD module for outdoor or mobile measurement instruments, including mobile industrial PCs, marine GPS and more. The model achieves top-quality images, is thin and lightweight, and operates in a wide temperatures range from -30 to 85 degrees Celsius. Sample sales will begin April 1 through Mitsubishi Electric offices worldwide.



AC043NB01

Mitsubishi Electric color transflective TFT-LCD module

Mitsubishi Electric expects its new transflective module to meet increasing demands for a TFT-LCD that offers superior visibility outdoors, extended battery life, low heat radiation, and is both thin and lightweight.

Product Features

1) *Leading image quality and low power consumption for outdoor use*

- Ambient light reflection produces extra-clear images in bright, sunlit environments and backlighting ensures viability in dark environments
- Reduced power consumption suitable for battery-powered mobile industrial devices

2) *Durability for extreme outdoor environments*

- Market-leading operating temperature range of -30 to 85 degrees Celsius suitable for industrial devices used in extreme outdoor environments

3) *Thin and lightweight*

- Thickness is just 5.2mm and weighs only 58g

Sales Schedule

Product	Model	Display Size	Resolution	Interface	Shipment
Transflective TFT-LCD Module	AC043NB01	4.3-inch	WQVGA	CMOS	April 1st, 2019

Transflective TFT-LCD Module Lineup (new model in bold)

Display Size	Resolution	Interface	Model
4.3-inch	WQVGA	CMOS	AC043NB01
5.7-inch	VGA	CMOS	AA057VG12
8.4-inch	VGA	LVDS	AA084VM01, AA084VM11
10.4-inch	XGA	LVDS	AA104XL02, AA104XL12

Specifications

	AC043NB01
Display size (resolution)	4.3-inch WQVGA
Display area (mm)	95.04 (H) × 53.856 (V)
Dots	480 (H) × 272 (V)
Pixel pitch (mm)	0.198 (H) × 0.198 (V)
Contrast ratio	130:1
Luminance (cd/m ²)	800
View angles (°)(U/D), (L/R)	25/50, 50/35
Colors	16.77M (8bit/color)
Color gamut (NTSC; %)	50
Backlight unit	LED
Backlight life time (Typ.)(hr)	50,000
Electrical interface	CMOS 8bit
Dimensions (mm)	105.5 (W) × 67.2 (H) × 5.2 (D)
Weight (g)	58
Operating temperatures (°C)	-30 to +85
Storage temperatures (°C)	-30 to +85

Environmental Awareness

The product mentioned in this release is mercury-free and fully compliant with the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) directive 2011/65/EU.

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About Mitsubishi Electric Corporation

With nearly 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,444.4 billion yen (in accordance with IFRS; US\$ 41.9 billion*) in the fiscal year ended March 31, 2018. For more information visit:

www.MitsubishiElectric.com

*At an exchange rate of 106 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2018