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FOR IMMEDIATE RELEASE

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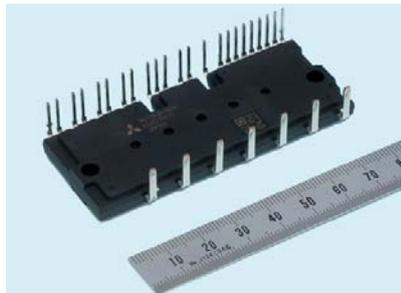
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Mitsubishi Electric to Launch 1,200V Large DIIPM Ver.6 and 1,200V Mini DIIPM

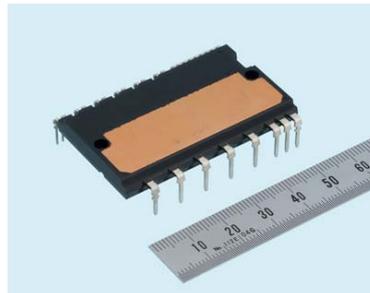
Smaller, more efficient power modules for air conditioners and industrial applications

TOKYO, June 30, 2014 – [Mitsubishi Electric Corporation](http://www.mitsubishielectric.com) (TOKYO: 6503) announced today the launch of its 1,200V large transfer-mold dual in-line package intelligent power module (DIIPM™) Ver.6 and 1,200V Mini DIIPM using sixth-generation IGBT chips featuring the carrier-stored trench-gate bipolar transistor (CSTBT™) structure. Both modules reduce the power consumption, size and weight of inverter systems for motors used in air conditioners and industrial applications. Sales begin September 30.

The new models will be exhibited at MOTORTECH JAPAN 2014 during TECHNO-FRONTIER 2014 at Tokyo Big Sight in Japan from July 23 to 25.



1,200V Large DIIPM Ver.6 (5A-50A)



1,200V Mini DIIPM (5A&10A)

Product Features

1) *Reduced power consumption and simpler design for inverter systems*

- Sixth-generation IGBT chips featuring the CSTBT structure enable power loss to be reduced by about 10% compared to Mitsubishi Electric's existing Large DIIPM products (Large DIIPM Ver.4 series, 5A-35A).
- Reduced external components thanks to built-in bootstrap diode (BSD) with current limit resistor.
- Reduced heat dissipation by improving the accuracy of temperature detection output.

2) **Downsizing and weight reduction with Mini DIIPM package: 1,200V Mini DIIPM**

- By employing a Mini DIIPM package for the first time in a 1,200V product, the profile (31.0 x 52.5mm) was reduced about 34% compared with Mitsubishi Electric's existing Large DIIPM Ver.4 series (31.0 x 79.0mm).

Environmental Awareness

The 1,200V Large DIIPM Ver.6 and 1,200V Mini DIIPM are compliant with the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS).

Sale Schedule

Series	Model	Specification	Shipment
1,200V Large DIIPM Ver.6	PSS05SA2FT	5A / 1200V	Sept. 30, 2014
	PSS10SA2FT	10A / 1200V	
	PSS15SA2FT	15A / 1200V	
	PSS25SA2FT	25A / 1200V	
	PSS35SA2FT	35A / 1200V	
	PSS50SA2FT	50A / 1200V	
1,200V Mini DIIPM	PSS05S72FT	5A / 1200V	
	PSS10S72FT	10A / 1200V	

Main Specifications

1,200V Large DIIPM Ver.6

Model	PSS05SA2FT	PSS10SA2FT	PSS15SA2FT	PSS25SA2FT	PSS35SA2FT	PSS50SA2FT
Specification	5A / 1200V	10A / 1200V	15A / 1200V	25A / 1200V	35A / 1200V	50A / 1200V
Dimensions	31.0×79.0×8.0mm (same as Large DIIPM Ver.4 series)					
Build-in chips	Three-phase inverter bridge with build-in IGBT, FWD, HVIC, LVIC and Bootstrap Diode chips					
Functions	Short-circuit protection (by current sense). Control power supply under-voltage (UV) protection: F _O output on N-side protection. Analog temperature voltage output (VOT).					
Others	Inverter with divided-emitter N-side (3 shunts)					

1,200V Mini DIIPM

Model	PSS05S72FT	PSS10S72FT
Specification	5A / 1200V	10A / 1200V
Dimensions	31.0×52.5×5.6 mm (same as Mini DIIPM Ver.4)	
Build-in chips	Three-phase inverter bridge with build-in IGBT, FWD, HVIC, LVIC and Bootstrap Diode chips	
Functions	Short-circuit (SC) protection (by external shunt resistor). Control power supply under-voltage (UV) protection: F _O output on N-side protection. Analog temperature voltage output (VOT).	
Others	Inverter with divided-emitter N-side (3 shunts)	

Mitsubishi Electric commercialized its first DIIPM transfer-mold intelligent power module in 1997, the beginning of its ongoing contributions to miniaturization and energy savings in inverter systems.

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About Mitsubishi Electric Corporation

With over 90 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 4,054.3 billion yen (US\$ 39.3 billion*) in the fiscal year ended March 31, 2014. For more information visit <http://www.MitsubishiElectric.com>

*At an exchange rate of 103 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2014

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