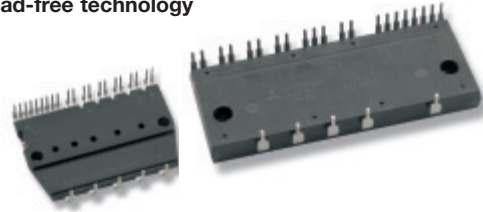


## 2.12 2<sup>nd</sup> Generation DIP and Mini-DIP-IPM



### Features:

- Ultra Compact Transfer Mold Package
- Including Drive and Protection ICs (low and high voltage drive ICs)
- Low and High Speed Types
- All Mitsubishi DIP and Mini-DIP-IPMs have lead-free terminals
- From January 2006 onwards, all DIP and Mini-DIP-IPMs will be supplied with completely lead-free technology



### Line-up DIP & Mini-DIP-IPM

Type	V <sub>CES</sub> (V)	Isolation Voltage (V <sub>rms</sub> )	Motor Rating (kW)						
			0.1	0.2	0.4	0.75	1.5	2.0	
DIP	Low speed f <sub>PWM</sub> 5kHz	600	2500				PS21244-EP	PS21245-EP	PS21246-EP
	High speed f <sub>PWM</sub> 15kHz						PS21254-EP	PS21255-EP	
Mini DIP	Low speed f <sub>PWM</sub> 5kHz	500 / 600		PS20341-GP PS20341-NP*	PS21342-GP PS21342-NP*	PS21343-GP PS21343-NP*			
	High speed f <sub>PWM</sub> 15kHz			PS20351-GP PS20351-NP* PS21351-NP*	PS21352-GP PS21352-NP*	PS21353-GP PS21353-NP*			

\*: reduced t<sub>dead</sub>

### Circuit Diagram

#### INTERNAL FUNCTIONS BLOCK DIAGRAM (TYPICAL APPLICATION EXAMPLE)

