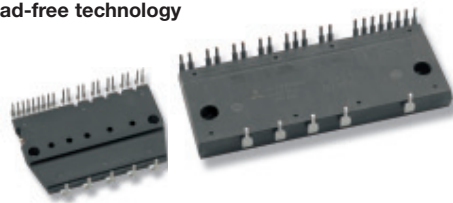


## 2.12 2<sup>nd</sup> Generation DIP and Mini-DIP-IPM

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

<sup>#</sup>: reduced  $t_{dead}$

### Circuit Diagram

