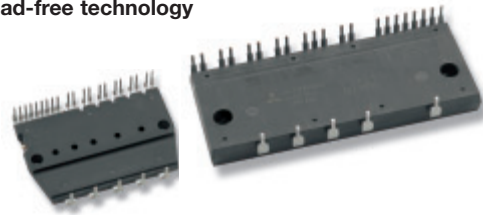


2.12 2nd Generation DIP and Mini-DIP-IPM



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* | PS21342-GP PS21342-NP* | PS21343-GP PS21343-NP* | | | |
| | High speed f _{PWM} 15kHz | | | PS20351-GP PS20351-NP* PS21351-NP* | PS21352-GP PS21352-NP* | PS21353-GP PS21353-NP* | | | |

*: reduced t_{dead}

Circuit Diagram

INTERNAL FUNCTIONS BLOCK DIAGRAM (TYPICAL APPLICATION EXAMPLE)

