

Power Supply ICs - continued

iMOTION™ Series Power Modules



This range of Power Modules are designed for a number of applications, including compressor drives, fan controls, air conditioning systems and light industrial applications. They feature an in-built temperature monitor and over-current protection, short-circuit rated IGBTs an integrated under-voltage lockout function. They deliver a high level of protection and fail-safe operation. The iMOTION™ Series Power Modules are available in variations on a Single In Line package as detailed in the relevant datasheets.

Package Types:

\* 23-pin Standard Pin Leadforming Option

\*\* 23-pin Leadforming Option 2

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| Package | Description   | Mfrs. List No. | Order Code | Price Each |          |          |
|---------|---|----------------|------------|------------|----------|----------|
|         |   |                |            | 1+         | 25+      | 100+     |
| *       | "Plug N Drive" Integrated Power Module for Appliance Motor Drive Applications, 6A, 600V                               | IRAMS06UP60A   | 101-9919   | 1,395.00   | 974.00   | 743.00   |
| *       | "Plug N Drive" Integrated Power Module for Appliance Motor Drive Applications, with Internal Shunt Resistor, 6A, 600V | IRAMS06UP60B   | 101-9920   | 1,457.00   | 1,017.00 | 776.00   |
| *       | "Plug N Drive" Integrated Power Module for Appliance Motor Drive Applications, 10A, 600V                              | IRAMS10UP60A   | 101-9921   | 1,533.00   | 1,070.00 | 868.00   |
| **      | "Plug N Drive" Integrated Power Module for Appliance Motor Drive Applications, 10A, 600V                              | IRAMS10UP60A-2 | 101-9923   | 1,533.00   | 1,070.00 | 816.00   |
| *       | Integrated Power hybrid IC for Appliance Motor Drive Applications, with Internal Shunt Resistor, 10A, 600V            | IRAMS10UP60B   | 101-9924   | 1,608.00   | 1,122.00 | 857.00   |
| *       | "Plug N Drive" Integrated Power Module for Appliance Motor Drive Applications, 16A, 600V                              | IRAMX16UP60A   | 101-9925   | 2,084.00   | 1,520.00 | 1,161.00 |
| **      | "Plug N Drive" Integrated Power Module for Appliance Motor Drive Applications, 6A, 600V                               | IRAMX16UP60A-2 | 101-9926   | 2,084.00   | 1,520.00 | 1,161.00 |
| *       | Integrated Power Hybrid IC for Appliance Motor Drive Applications, 16A, 600V  | IRAMX16UP60B   | 102-3702   | 2,215.00   | 1,586.00 | 1,234.00 |
| *       | Integrated Power Hybrid IC for Appliance Motor Drive Applications, 20A, 600V with open Emitter Pins                   | IRAMX20UP60A   | 102-3703   | 2,068.00   | 1,508.00 | 1,223.00 |
| *       | Integrated Power Hybrid IC for Appliance Motor Drive Applications, 20A, 600V with Internal Shunt Resistor             | IRAMY20UP60B   | 102-3704   | 2,537.00   | 1,816.00 | 1,413.00 |

Plug-in Power Modules



A range of non-isolated power modules designed to be small in size but with high performance and flexibility. Covering a range of output currents and input voltages, the power modules are suitable for use in telecom, industrial and general purpose circuits. Features include an on/off inhibit, output voltage adjust (trim) and margin up/down controls, as well as a non-latching over-current trip to serve as a load fault protection.

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| Mfrs. List No. | Input Voltage | Output Voltage | Output Current | Pins/Case                   | Order Code | Price Each |          |          |
|----------------|---------------|----------------|----------------|-----------------------------|------------|------------|----------|----------|
|                |               |                |                |                             |            | 1+         | 25+      | 100+     |
| PTH03000WAD    | 3.3V          | 0.9V to 2.5V   | 6A             | 5/Horizontal Through Hole   | 110-3270   | 649.00     | 557.00   | 481.00   |
| PTH03000WAZ    | 3.3V          | 0.9V to 2.5V   | 6A             | 5/Horizontal Surface Mount  | 110-3272   | 649.00     | 557.00   | 481.00   |
| PTH03050WAH.   | 3.3V          | 0.8V to 2.5V   | 6A             | 6/Horizontal Through Hole   | 835-4316   | 616.00     | 529.00   | 485.00   |
| PTH03050WAH.   | 3.3V          | 0.8V to 2.5V   | 6A             | 6/Horizontal Through Hole   | 121-2251   | 658.00     | 566.00   | 488.00   |
| PTH03050WAD    | 3.3V          | 0.8V to 2.5V   | 6A             | 6/Horizontal Through Hole   | 110-3273   | 617.00     | 530.00   | 457.00   |
| PTH03050WAZ    | 3.3V          | 0.8V to 2.5V   | 6A             | 6/Horizontal Surface Mount  | 110-3274   | 617.00     | 530.00   | 457.00   |
| PTH03060WAH.   | 3.3V          | 0.8V to 2.5V   | 10A            | 10/Horizontal Through Hole  | 835-4332   | 932.00     | 779.00   | 720.00   |
| PTH03060WAH    | 3.3V          | 0.8V to 2.5V   | 10A            | 10/Horizontal Through Hole  | 121-2252   | 876.00     | 732.00   | 636.00   |
| PTH03060WAD    | 3.3V          | 0.8V to 2.5V   | 10A            | 10/Horizontal Through Hole  | 110-3275   | 875.00     | 732.00   | 636.00   |
| PTH03060WAZ    | 3.3V          | 0.8V to 2.5V   | 10A            | 10/Horizontal Surface Mount | 110-3276   | 876.00     | 732.00   | 636.00   |
| PTH03010WAD    | 3.3V          | 0.8V to 2.5V   | 15A            | 10/Horizontal Through Hole  | 110-3277   | 930.00     | 808.00   | 736.00   |
| PTH03010WAZ    | 3.3V          | 0.8V to 2.5V   | 15A            | 10/Horizontal Surface Mount | 110-3278   | 931.00     | 808.00   | 736.00   |
| PTH03020WAZ    | 3.3V          | 0.8V to 2.5V   | 22A            | 10/Horizontal Surface Mount | 110-3280   | 1,204.00   | 1,045.00 | 952.00   |
| PTH03030WAD    | 3.3V          | 0.8V to 2.5V   | 30A            | 13/Horizontal Through Hole  | 110-3281   | 1,364.00   | 1,184.00 | 1,079.00 |
| PTH03030WAZ    | 3.3V          | 0.8V to 2.5V   | 30A            | 13/Horizontal Surface Mount | 110-3282   | 1,364.00   | 1,184.00 | 1,079.00 |
| PTH05000WAH.   | 5V            | 0.9V to 3.6V   | 6A             | 5/Horizontal Through Hole   | 835-4413   | 649.00     | 592.00   | 511.00   |
| PTH05000WAH    | 5V            | 0.9V to 3.6V   | 6A             | 5/Horizontal Through Hole   | 121-2253   | 649.00     | 557.00   | 481.00   |
| PTH05000WAD    | 5V            | 0.9V to 3.6V   | 6A             | 5/Horizontal Through Hole   | 110-3284   | 649.00     | 557.00   | 511.00   |
| PTH05000WAZ    | 5V            | 0.9V to 3.6V   | 6A             | 5/Horizontal Surface Mount  | 110-3285   | 649.00     | 557.00   | 511.00   |
| PTH05050WAH.   | 5V            | 0.8V to 3.6V   | 6A             | 6/Horizontal Through Hole   | 835-4430   | 617.00     | 530.00   | 486.00   |
| PTH05050WAH    | 5V            | 0.8V to 3.6V   | 6A             | 6/Horizontal Through Hole   | 121-2256   | 617.00     | 530.00   | 457.00   |
| PTH05050WAD    | 5V            | 0.8V to 3.6V   | 6A             | 6/Horizontal Through Hole   | 110-3286   | 617.00     | 530.00   | 457.00   |
| PTH05050WAZ    | 5V            | 0.8V to 3.6V   | 6A             | 6/Horizontal Surface Mount  | 110-3287   | 617.00     | 563.00   | 514.00   |
| PTH05060WAD    | 5V            | 0.8V to 3.6V   | 10A            | 10/Horizontal Through Hole  | 110-3288   | 876.00     | 732.00   | 636.00   |
| PTH05060WAZ    | 5V            | 0.8V to 3.6V   | 10A            | 10/Horizontal Surface Mount | 110-3289   | 876.00     | 732.00   | 636.00   |
| PTH05010WAD    | 5V            | 0.8V to 3.6V   | 15A            | 10/Horizontal Through Hole  | 110-3290   | 925.00     | 808.00   | 736.00   |
| PTH05010WAZ    | 5V            | 0.8V to 3.6V   | 15A            | 10/Horizontal Surface Mount | 110-3291   | 931.00     | 808.00   | 736.00   |
| PTH05020WAD    | 5V            | 0.8V to 3.6V   | 22A            | 10/Horizontal Through Hole  | 110-3292   | 1,204.00   | 1,045.00 | 952.00   |
| PTH05020WAZ    | 5V            | 0.8V to 3.6V   | 22A            | 10/Horizontal Surface Mount | 110-3293   | 1,204.00   | 1,045.00 | 952.00   |
| PTH05030WAD    | 5V            | 0.8V to 3.6V   | 30A            | 13/Horizontal Through Hole  | 110-3294   | 1,364.00   | 1,184.00 | 1,079.00 |
| PTH05030WAS    | 5V            | 0.8V to 3.6V   | 30A            | 13/Horizontal Surface Mount | 110-3296   | 1,364.00   | 1,184.00 | 1,079.00 |
| PTH12000WAH    | 12V           | 1.2V to 5.5V   | 6A             | 5/Horizontal Through Hole   | 121-2257   | 649.00     | 557.00   | 481.00   |
| PTH12000WAD    | 12V           | 1.2V to 5.5V   | 6A             | 5/Horizontal Through Hole   | 110-3297   | 649.00     | 557.00   | 481.00   |
| PTH12000WAZ    | 12V           | 1.2V to 5.5V   | 6A             | 5/Horizontal Surface Mount  | 110-3298   | 649.00     | 557.00   | 511.00   |