

# Product Selection Guide

AMS-173-5

## BRIDGE & HALF-BRIDGE DRIVERS

IN ORDER OF 1) OUTPUT CURRENT AND 2) OUTPUT VOLTAGE

| Output Ratings * |    | Description                    | Features        |                        |                     | Part Number † |
|------------------|----|--------------------------------|-----------------|------------------------|---------------------|---------------|
| mA               | V  |                                | Internal Diodes | Outputs                | Internal Protection |               |
| ±500             | 18 | dual PWM full bridge           | X               | DMOS                   | X                   | 3965          |
| ±650             | 30 | dual PWM full bridge           | X               | bipolar                | X                   | 3966          |
|                  | 30 | dual PWM full bridge           | X               | bipolar                | X                   | 3968          |
| ±750             | 30 | dual microstepping full bridge | X               | Darlington/Satlington™ | X                   | 3967          |
|                  | 45 | dual PWM full bridge           | X               | bipolar                | X                   | 2916          |
|                  | 45 | dual PWM full bridge           | X               | bipolar                | X                   | 2919          |
|                  | 45 | dual PWM full bridge           | X               | bipolar                | X                   | 6219          |
| ±800             | 33 | dual PWM full bridge           | X               | bipolar                | X                   | 3964          |
| ±1300            | 50 | PWM full bridge                | X               | bipolar                | X                   | 3953          |
| ±1500            | 50 | PWM full bridge                | sync rect       | DMOS                   | X                   | 3948          |
|                  | 50 | microstepping full bridge      | X               | Darlington/Satlington™ | X                   | 3955          |
|                  | 50 | dual PWM full bridge           | sync rect       | DMOS                   | X                   | 3974          |
| ±2000            | 50 | PWM full-bridge                | sync rect       | DMOS                   | X                   | 3958          |
| ±2500            | 35 | dual microstepping full bridge | sync rect       | DMOS                   | X                   | 3977          |
| ±3000            | 50 | 3-Ø PWM full bridge            | sync rect       | DMOS                   | X                   | 3936          |
|                  | —  | 50                             | PWM full bridge | sync rect              | DMOS                | 3959          |
| —                | 28 | 3-Ø MOSFET controller          | —               | DMOS                   | X                   | 3933          |
| —                | 40 | 3-Ø MOSFET controller          | —               | DMOS                   | X                   | 3935          |
| —                | 40 | full-bridge MOSFET controller  | —               | DMOS                   | X                   | 3940          |
| —                | 50 | 3-Ø MOSFET controller          | —               | DMOS                   | X                   | 3932          |
| —                | 50 | 3-Ø MOSFET controller          | —               | DMOS                   | X                   | 3938          |

\* Current is maximum specified test condition, voltage is maximum rating. See specification for sustaining voltage limits or over-current protection voltage limits.

† Complete part number includes additional characters to indicate operating temperature range and package style.