

# Product Selection Guide

AMS-173-7

## MOTOR DRIVERS

Function	Output Ratings*		Part Number†
<b>CONTROLLERS &amp; DRIVERS FOR BRUSHLESS DC MOTORS</b>			
3-Phase Power MOSFET Controller	—	28 V	3933
3-Phase Power MOSFET Controller	—	40 V	3935
3-Phase Power MOSFET Controller	—	50 V	3932 & 3938
3-Phase Back-EMF Controller/Driver	±900 mA	14 V	8904
3-Phase PWM DMOS Driver	±3.0 A	50 V	3936
<b>CONTROLLERS &amp; DRIVERS FOR DC AND BIPOLAR STEPPER MOTORS</b>			
Full-Bridge Power MOSFET Controller	—	40 V	3940
Dual PWM Current-Controlled Full Bridge	±500 mA	18 V	3965
Dual Full Bridge with Protection & Diagnostics	±500 mA	30 V	3976
Dual PWM Full Bridge	±650 mA	30 V	3966
Dual PWM Full Bridge	±650 mA	30 V	3968
Microstepping Translator/Dual Full Bridge	±750 mA	30 V	3967
Dual PWM Full Bridge	±750 mA	45 V	2916
Dual PWM Full Bridge	±750 mA	45 V	2919
Dual PWM Full Bridge	±750 mA	45 V	6219
Dual PWM Full Bridge	±800 mA	33 V	3964
Dual PWM DMOS Full Bridge	±1.0 A	35 V	3973
PWM Full Bridge	±1.3 A	50 V	3953
PWM DMOS Full Bridge	±1.5 A	50 V	3948
Microstepping Full Bridge	±1.5 A	50 V	3955
Dual PWM DMOS Full Bridge	±1.5 A	50 V	3972
Dual PWM DMOS Full Bridge	±1.5 A	50 V	3974
PWM DMOS Full Bridge	±2.0 A	50 V	3958
Microstepping Translator/Dual DMOS Full Bridge	±2.5 A	35 V	3977
PWM DMOS Full Bridge	±3.0 A	50 V	3959
<b>DRIVERS FOR UNIPOLAR STEPPER MOTORS</b>			
Unipolar Stepper-Motor Translator/Drivers	1.0 A	46 V	7050 & 7060
Unipolar Stepper-Motor Quad Drivers	1.5 A	46 V	7024 & 7029
Unipolar Microstepper-Motor Controller/Driver	1.5 A	46 V	7042
Unipolar Stepper-Motor Translator/Drivers	2.0 A	46 V	7051 & 7061
Unipolar Stepper-Motor Quad Driver	3.0 A	46 V	7026
Unipolar Microstepper-Motor Controller/Driver	3.0 A	46 V	7044
Unipolar Stepper-Motor Translator/Drivers	3.0 A	46 V	7052 & 7062

\* Current is maximum specified test condition, voltage is maximum rating. See specification for sustaining voltage limits or over-current protection voltage limits. Negative current is defined as coming out of (sourcing) the output.

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

Also, see 3175 and 3177 Hall-effect sensors for use with brushless dc motors.