

E. PWM Control IC

Function	Device	Package	Features	Application
Voltage Mode PWM Control IC	KA7500	16 DIP	Complete PWM power control circuitry Dead-time control Complementary output Output current up to 200mA	Voltage inverter Voltage step-down Voltage step-up Half-bridge converter Full-bridge converter
	KA3524	16 DIP	Complete PWM power control circuitry Internal short circuit current limiting Complementary output Output current up to 100mA	Voltage inverter Voltage step-down Voltage step-up Half-bridge converter Full-bridge converter
	KA3525A	16 DIP	Adjustable dead-time control Internal soft-start Separate oscillator sync terminal Pulse-by-pulse shutdown Input undervoltage lockout with hysteresis	Voltage inverter Voltage step-down Voltage step-up Half-bridge converter Full-bridge converter Push-pull converter
	KA3526B	18 DIP	Programmable dead time Under voltage lockout Programmable soft-start Digital current limiting TTL/CMOS compatible logic parts	Voltage inverter Voltage step-down Voltage step-up Half-bridge converter Full-bridge converter Push-pull converter
	Current Mode PWM Control IC	KA3842/3B	8 DIP	Automatic feed forward compensation Pulse-by-pulse current limiting Under voltage lockout Double pulse suppression High current totem pole output Maximum duty cycle of 100%
14 SOP				
KA3844/5B		8 DIP	Automatic feed forward compensation Pulse-by-pulse current limiting Under voltage lockout Double pulse suppression High current totem pole output Maximum duty cycle of 50%	Voltage inverter Voltage step-down Voltage step-up Flyback converter' Forward converter
		14 SOP		
KA3846	16 DIP	Programmable pulse-by-pulse Current limiting Double pulse suppression Under voltage lockout Soft-start capability Automatic feed forward compensation	Voltage inverter Voltage step-down Voltage step-up Half-bridge converter Full-bridge converter Push-pull converter	
† KA3882/3	8 DIP 14 SOP	Low start up current Trimmed oscillator discharge current Automatic feed forward compensation Pulse-by-pulse current limiting Under voltage lockout Double pulse suppression High current totem pole output Maximum duty cycle of 100%	Voltage inverter Voltage step-down Voltage step-up Flyback converter' Forward converter	

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