

Control ICs for Power Supply

Device type	Specifications	Package	Block diagram
FA7610CP/CN Switching power supply control	3.6 to 22V Input, $\pm 50\text{mA}$ Output <ul style="list-style-type: none"> PWM-type switching power supply control Timer latch short-circuit protection function Maximum output duty: 64% typical Totem-pole pre-driver Applications: VTR-camera, Digital-still-camera Portable equipment	DIP-8, SOP-8	
FA7611CP/CE Switching power supply control	3.6 to 22V Input, $\pm 50\text{mA}$ Output <ul style="list-style-type: none"> Dual channel PWM-type switching power supply control Timer latch short-circuit protection function Controllable maximum output duty-cycle Totem-pole pre-driver Applications: VTR-camera, Digital-still-camera Portable equipment	DIP-16, SSOP-16	
FA7612CP/CN Switching power supply control	3.6 to 22V Input, 80mA Output <ul style="list-style-type: none"> PWM-type switching power supply control Timer latch short-circuit protection function Maximum output duty: 100% Operating frequency: 500kHz maximum Applications : VTR-camera, Digital-still-camera Portable equipment	DIP-8, SOP-8	
FA7613CP/CE Switching power supply control	2.5 to 22V Input, 50mA Output <ul style="list-style-type: none"> PWM-type switching power supply control Timer latch short-circuit protection function Controllable maximum output duty-cycle Operating frequency: 500kHz maximum Applications: VTR-camera, Digital-still-camera Portable equipment	DIP-16, SSOP-16	

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FA7615CP/CE Switching power supply control	3.6 to 22V Input, $\pm 50\text{mA}$ Output <ul style="list-style-type: none"> Dual channel PWM-type switching power supply control Timer latch short-circuit protection function Controllable maximum output duty-cycle Totem-pole pre-driver Applications: VTR-camera, Digital-still-camera Portable equipment	DIP-16, SSOP-16	
FA7616CP/CV Switching power supply control	1.4 to 12V Input, $\pm 10\text{mA}$ Output <ul style="list-style-type: none"> Dual channel PWM-type switching power supply control Timer latch short-circuit protection function Controllable maximum output duty-cycle Operating frequency: 500kHz maximum Applications: VTR-camera, Digital-still-camera Portable equipment	DIP-16, TSSOP-16	
FA7617CP/CN Switching power supply control	3.6 to 22V Input, 80mA Output <ul style="list-style-type: none"> PWM-type switching power supply control Timer latch short-circuit protection function Maximum output duty: 67% typical Operating frequency: 500kHz maximum Applications: VTR-camera, Digital-still-camera Portable equipment	DIP-8, SOP-8	
FA7630CP/CE Switching power supply control	3.6 to 22V Input, $\pm 500\text{mA}$ Output <ul style="list-style-type: none"> Dual channel PWM-type switching power supply control Controllable maximum output duty-cycle Several protection functions Master-slave synchronized operation without external components Operating frequency: 500kHz maximum Applications: VTR-camera, Digital-still-camera Portable equipment	DIP-20, SSOP-20	

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FA5301BP/BN Switching power supply control	7 to 22V Input, 20mA Output <ul style="list-style-type: none"> Synchronized operation function PWM-type switching power supply control Several protection functions Controllable maximum output duty-cycle Operating frequency: 200kHz maximum Applications : TV, Display	DIP-16, SOP-16	
FA5304AP/AS FA5305AP/AS Switching power supply control	10 to 30V Input, $\pm 1.5A$ Output <ul style="list-style-type: none"> PWM-type switching power supply control Several protection functions Low standby current (90 μA typ.) Maximum output duty: 45% typical Operating frequency: 600kHz maximum Applications: Switching power supply for general equipment	DIP-8, SOP-8	
FA5310BP/BS FA5311BP/BS Switching power supply control	10 to 31V Input, $\pm 1.5A$ Output <ul style="list-style-type: none"> PWM-type switching power supply control Several protection functions Low standby current (90 μA typ.) Maximum output duty: 46 or 70% typical Operating frequency: 600kHz maximum Applications: Switching power supply for general equipment	DIP-8, SOP-8	
FA5314P/S FA5315P/S Switching power supply control	10 to 31V Input, $\pm 1.5A$ Output <ul style="list-style-type: none"> PWM-type switching power supply control Several protection functions Low standby current (90 μA typ.) Maximum output duty: 46 or 70% typical Operating frequency: 600kHz maximum Applications: VTR-camera, Digital-still-camera Portable equipment	DIP-8, SOP-8	

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FA5316P/S FA5317P/S Switching power supply control	10 to 31V Input, $\pm 1.0\text{A}$ Output <ul style="list-style-type: none"> PWM-type switching power supply control Several protection functions Low standby current ($90\text{ }\mu\text{A typ.}$) Maximum output duty: 46 or 70% typical Operating frequency: 600kHz maximum Applications: Switching power supply for general equipment	DIP-8, SOP-8	
FA5332P/M Power-factor correction	10 to 30V Input, $\pm 1.5\text{A}$ Output <ul style="list-style-type: none"> Average current control system Several protection functions Good regulation to no load Synchronized operation function Operating frequency: 15 to 150kHz Applications: Power factor controller	DIP-16, SOP-16	
FA13842P/N FA13843P/N Switching power supply control	10 to 28V Input, $+1.0\text{A}$, -0.4A Output <ul style="list-style-type: none"> Current mode PWM-controller Low-power CMOS process Start-up current: $12\text{ }\mu\text{A typical}$ Operating current: 3mA typical Pin-for-pin compatible with 384X Applications: Personal computer, Display, AC-adapter	DIP-8, SOP-8	
FA13844P/N FA13845P/N Switching power supply control	10 to 28V Input, $+1.0\text{A}$, -0.4A Output <ul style="list-style-type: none"> Current mode PWM-controller Low-power CMOS process Start-up current: $12\text{ }\mu\text{A typical}$ Operating current: 3mA typical Pin-for-pin compatible with 384X Applications: Personal computer, Display, DC-DC converter	DIP-8, SOP-8	

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FA3629AV Switching power supply control	2.5 to 6.5V Input, $\pm 1.8A$, $\pm 400mA$ Output <ul style="list-style-type: none"> 3-ch PWM-type switching power supply control Low-power CDMOS process Internal power MOSFET with over current limiting function Timer latch short circuit protection function (no external component) Operating frequency: 1MHz maximum Applications: VTR-camera, Digital-still-camera Portable equipment	TSSOP-16	
FA3630V Switching power supply control	2.5 to 6.5V Input, $\pm 500mA$ Output <ul style="list-style-type: none"> Dual channel PWM-type switching power supply control Low-power CMOS process Timer latch short circuit protection function Operating frequency: 1MHz maximum Applications: VTR-camera, Digital-still-camera Portable equipment	TSSOP-16	
FA3635P Switching power supply control	10 to 15V Input, +1A Output <ul style="list-style-type: none"> PWM-type switching power supply control Low-power CDMOS process Built-in Pch power MOSFET Latch-mode protection function Operating frequency: 81kHz typical Application: Power supply for general equipment	DIP-8	
FA3675F Switching power supply control	2.5 to 20V Input, $\pm 200mA$ Output <ul style="list-style-type: none"> 6-ch PWM-type switching power supply control Low-power CMOS process Standby / operating current: 20 μA / 4mA Timer latch short circuit protection function Operating frequency: 1MHz maximum Applications: VTR-camera, Digital-still-camera Portable equipment	SQFP-48	