

#### Specifications Block diagram Device type Package FA7610CP/CN 3.6 to 22V Input, ±50mA Output DIP-8, SOP-8 REF ст cs vcc (8 9 6 (5) • PWM-type switching power supply control Switching power supply control • Timer latch short-circuit protection function • Maximum output duty: 64% typical L.0 VREF osc • Totem-pole pre-driver BIAS Applications: VTR-camera, Digital-still-camera U.V.L.0 Portable equipment **[** 500 ລ OF <sup>..52</sup>⊻\_\_\_\_\_\_\_ . PWM J OF ER. AMP I (1 2 3 IN (-) FB GND OUT FA7611CP/CE 3.6 to 22V Input, ±50mA Output DIP-16, SSOP-16 10-12.51 Switching power • Dual channel PWM-type switching power supply control • Timer latch short-circuit protection function supply control VREF osc • Controllable maximum output duty-cycle BIAS • Totem-pole pre-driver U.V.L.0 စ် vcc Applications: VTR-camera, Digital-still-camera က် OUT1F Portable equipment IN1(+) OUT1 IN1 ( FR AMP IN2(-ையா2 IN2(-) 5 FR2 -(3)-DT2 -U9 FA7612CP/CN 3.6 to 22V Input, 80mA Output DIP-8, SOP-8 REF СТ cs vcc 6 ์ 8 7 (5) Switching power • PWM-type switching power supply control • Timer latch short-circuit protection function supply control Maximum output duty: 100% VREF osc $\cap$ • Operating frequency: 500kHz maximum BIAS Applications : VTR-camera, Digital-still-camera U.V.L.O Portable equipment OFF 0.52V OFF PWN ER. AMP F 3 (4 2 1 IN(-)FB GND OUT FA7613CP/CE 2.5 to 22V Input, 50mA Output **DIP-16, SSOP-16** NC ON/OFF SCF VCC OUT NC (15) Switching power • PWM-type switching power supply control (16) • Timer latch short-circuit protection function supply control Ē · Controllable maximum output duty-cycle Vcc Vcc VREF osc • Operating frequency: 500kHz maximum BIAS Applications: VTR-camera, Digital-still-camera S.C.P Portable equipment ⊥ 1.25V PWM ER.AMP l 8 ⓓ -① NC -(2) REF し FB GND IN(-)IN(+)DT NC



Device type	Specifications	Package	Block diagram
FA7615CP/CE Switching power supply control	3.6 to 22V Input, ±50mA Output • Dual channel PWM-type switc • Timer latch short-circuit protec • Controllable maximum output • Totem-pole pre-driver Applications: VTR-camera, Dig Portable equipme	t DIP-16, SSOP-16 thing power supply control ction function duty-cycle gital-still-camera	$\begin{array}{c} \\ \hline \\ \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $
FA7616CP/CV	1.4 to 12V Input, ±10mA Output	t DIP-16, TSSOP-16	VCC2 REF VCC1 CST
Switching power supply control	<ul> <li>Dual channel PWM-type switching power supply control</li> <li>Timer latch short-circuit protection function</li> <li>Controllable maximum output duty-cycle</li> <li>Operating frequency: 500kHz maximum</li> <li>Applications: VTR-camera, Digital-still-camera Portable equipment</li> </ul>		ON/OFF (15) ON/OFF UVREE 1.2V START CT (2) OSC BIAS II - VREE 1.2V START T/7 7/7 W M OUT1 IN1 (-) (12) FB1 (11) FB1
FA7617CP/CN	3.6 to 22V Input, 80mA Output	DIP-8, SOP-8	
Switching power supply control	<ul> <li>PWM-type switching power supply control</li> <li>Timer latch short-circuit protection function</li> <li>Maximum output duty: 67% typical</li> <li>Operating frequency: 500kHz maximum</li> <li>Applications: VTR-camera, Digital-still-camera Portable equipment</li> </ul>		0.52V     +     +     -
FA7630CP/CE	3.6 to 22V Input, ±500mA Outp	ut DIP-20, SSOP-20	REF IN DTI CT RT
Switching power supply control	<ul> <li>Dual channel PWM-type switching power supply control</li> <li>Controllable maximum output duty-cycle</li> <li>Several protection functions</li> <li>Master-slave synchronized operation without external components</li> <li>Operating frequency: 500kHz maximum</li> <li>Applications: VTR-camera, Digital-still-camera Portable equipment</li> </ul>		DN/OFF1 UN/OFF2 UN/



Device type	Specifications Package	Block diagram
FA5301BP/BN Switching power supply control	7 to 22V Input, 20mA Output DIP-16, SOP-16 • Synchronized operation function • PWM-type switching power supply control • Several protection functions • Controllable maximum output duty-cycle • Operating frequency: 200kHz maximum Applications : TV, Display	VCC SYNC CSY CT DT
FA5304AP/AS FA5305AP/AS Switching power supply control	10 to 30V Input, ±1.5A Output       DIP-8, SOP-8         • 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	FA5304AP(S)
FA5310BP/BS FA5311BP/BS Switching power supply control	<ul> <li>10 to 31V Input, ±1.5A Output DIP-8, SOP-8</li> <li>PWM-type switching power supply control</li> <li>Several protection functions</li> <li>Low standby current (90 μA typ.)</li> <li>Maximum output duty: 46 or 70% typical</li> <li>Operating frequency: 600kHz maximum</li> <li>Applications: Switching power supply for general equipment</li> </ul>	$(4.3K) \xrightarrow{O_{2}} (5.6) \xrightarrow{CS} (7) \xrightarrow{RT} (9) \xrightarrow{O_{2}} (7) \xrightarrow{O_{2}} (9) \xrightarrow{O_{2}} (7) \xrightarrow{O_{2}} (9) $
FA5314P/S FA5315P/S Switching power supply control	<ul> <li>10 to 31V Input, ±1.5A Output DIP-8, SOP-8</li> <li>PWM-type switching power supply control</li> <li>Several protection functions</li> <li>Low standby current (90 µA typ.)</li> <li>Maximum output duty: 46 or 70% typical</li> <li>Operating frequency: 600kHz maximum</li> <li>Applications: VTR-camera, Digital-still-camera Portable equipment</li> </ul>	$(46\%, 70\%) \xrightarrow{PWM} (46\%, 70\%) \xrightarrow{F, F} (30)$



Device type	Specifications	Package	Block diagram
FA5316P/S FA5317P/S Switching power supply control	10 to 31V Input, ±1.0A Output • PWM-type switching power s • Several protection functions • Low standby current (90 µA f • Maximum output duty: 46 or • Operating frequency: 600kH Applications: Switching powe	supply control typ. ) 70% typical	$\begin{array}{c} CS \\ CI \\ RT \\ \hline \\ B AS \\ OFF \\ UVL, 0 \\ C \\ CF \\ UVL, 0 \\ C \\ CF \\ C \\ CF \\ CF \\ CF \\ CF \\ CF$
FA5332P/M Power-factor correction	10 to 30V Input, ±1.5A Output • Average current control syste • Several protection functions • Good regulation to no load • Synchronized operation func • Operating frequency: 15 to 1 Applications: Power factor co	em tion 50kHz	SYNC CT CS REF VCC ON/OFF (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
FA13842P/N FA13843P/N Switching power supply control	<ul> <li>10 to 28V Input, +1.0A, -0.4A</li> <li>Current mode PWM-controlle</li> <li>Low-power CMOS process Start-up current: 12 μA typ Operating current: 3mA typic</li> <li>Pin-for-pin compatible with 3 Applications: Personal computible</li> </ul>	er ical sal 84X	V(CC (7) (7) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9
FA13844P/N FA13845P/N Switching power supply control	<ul> <li>10 to 28V Input, +1.0A, -0.4A</li> <li>Current mode PWM-controlle</li> <li>Low-power CMOS process Start-up current: 12 µA typ operating current: 3mA typic</li> <li>Pin-for-pin compatible with 3 Applications: Personal comp</li> </ul>	er ical sal	VCC (7) 30V 4 30V 4 00 4 0 4

Integrated Circuits

Device type	Specifications Package	Block diagram
FA3629AV Switching power supply control	<ul> <li>2.5 to 6.5V Input, ±1.8A, ±400mA Output TSS</li> <li>3-ch PWM-type switching power supply contraction by the contraction of the contracti</li></ul>	
FA3630V	2.5 to 6.5V Input, ±500mA Output TSSOP-16	VBSG ON/OFF
Switching power supply control	<ul> <li>Dual channel PWM-type switching power sup</li> <li>Low-power CMOS process</li> <li>Timer latch short circuit protection function</li> <li>Operating frequency: 1MHz maximum</li> <li>Applications: VTR-camera, Digital-still-camera Portable equipment</li> </ul>	ply control
FA3635P Switching power supply control	10 to 15V Input, +1A OutputDIP-8• PWM-type switching power supply control• Low-power CDMOS process• Built-in Pch power MOSFET• Latch-mode protection function• Operating frequency: 81kHz typicalApplication: Power supply for general equipment	ent
FA3675F Switching power supply control	<ul> <li>2.5 to 20V Input, ±200mA Output SQFP-48</li> <li>6-ch PWM-type switching power supply controls.</li> <li>Low-power CMOS process Standby / operating current: 20 μA/ 4mA</li> <li>Timer latch short circuit protection function</li> <li>Operating frequency: 1MHz maximum</li> <li>Applications: VTR-camera, Digital-still-camera Portable equipment</li> </ul>	ol