

IC for Power Switch

DC-DC IC's with Fet on board

| Type No. | Input voltage [V] | | Output current IO max [A] | SW frequency [kHz] | Type | Channels | Package | Manufacturer |
|-----------|-------------------|---------|---------------------------------|-----------------------|--------------|----------|-----------------|--------------|
| | VIN min | VIN max | | | | | | |
| LV57331TT | 2,6 | 5,5 | 1 | 560 | Step up | 1ch | MSOP8(150mil) | Sanyo |
| LA5724M | 4,5 | 28 | 0,6 | 160 | Step down | 1ch | MFP8(225mil) | Sanyo |
| LA5735M | 4,5 | 32 | 0,6 | 300 | Step down | 1ch | MFP8(225mil) | Sanyo |
| LA5744 | 4,5 | 28 | 3 | 330 | Step down | 1ch | 220-5HK | Sanyo |
| LA5744MP | 4,5 | 28 | 3 | 300 | Step down | 1ch | SMP5 | Sanyo |
| LA5744TP | 4,5 | 28 | 2 | 300 | Step down | 1ch | TP5HFA | Sanyo |
| LA5756 | | 32 | 3,5 | 80 | Step down | 1ch | 220-5HMDB | Sanyo |
| LA5757TP | 4,5 | 32 | 1,5 | 300 | Step down | 1ch | TP5HFA | Sanyo |
| LA5759 | 4,5 | 32 | 5 | 80 | Step down | 1ch | 220-5HMDB | Sanyo |
| LA5774 | 4,5 | 28 | 3 | 160 | Step down | 1ch | 220-5H | Sanyo |
| LA5774MP | 4,5 | 28 | 3 | 160 | Step down | 1ch | SMP5 | Sanyo |
| LA5779 | 4,5 | 28 | 3 | 160 | Step down | 1ch | 220-5H | Sanyo |
| LA5779MP | 4,5 | 28 | 3 | 160 | Step down | 1ch | SMP5 | Sanyo |
| LV5781 | 4,5 | 6 | 3 | 180 | Step down | 1ch | HSSOP14(225mil) | Sanyo |
| LV5803M | 4,5 | 18 | 2 | 330 | Step down | 1ch | MFP8(225mil) | Sanyo |
| LV5809MX | 4,5 | 18 | 2,5 | 330 | Step down | 1ch | MFP8(200mil) | Sanyo |
| LV5990M | 4,5 | 18 | 3 | 360 | step down | 1ch | MFP12SJ(225mil) | Sanyo |
| LV58132MX | 4,75 | 18 | 2 | 370 | Step down | 1ch | MFP8(200mil) | Sanyo |
| LV5813TT | 4,75 | 18 | 1,5 | 370 | step down | 1ch | MSOP8(150mil) | Sanyo |
| LV5876MX | 4,75 | 18 | 2 | 950 | Step down | 1ch | MFP8(200mil) | Sanyo |
| LV5841M | 5 | 18 | 4,5 | 500 | Step down | 1ch | MFP8(225mil) | Sanyo |
| LA5771 | 5,5 | 32 | 3 | 160 | Step down | 1ch | 220-5H | Sanyo |
| LA5771MP | 5,5 | 28 | 3 | 160 | Step down | 1ch | SMP5 | Sanyo |
| LV58061MX | 8 | 28 | 3 | 370 | Step down | 1ch | MFP8(200mil) | Sanyo |
| LV58063MX | 8 | 28 | 3 | 370 | step down | 1ch | MFP8(200mil) | Sanyo |
| LV5807MX | 8 | 18 | 3 | 385 | Step down | 1ch | MFP8(200mil) | Sanyo |
| LV58082MX | 8 | 28 | 0,4 | 370 | Step down | 1ch | MFP8(200mil) | Sanyo |
| LV5808MX | 8 | 28 | 2 | 370 | Step down | 1ch | MFP8(200mil) | Sanyo |
| LV5810M | 8 | 28 | 2 | 370 | Step down | 1ch | MFP8(225mil) | Sanyo |
| LV5818M | 8 | 28 | 2 | Variable | Step down | 1ch | MFP12S(225mil) | Sanyo |
| LV5071M | 2,95 | 5,5 | 1 | 2200 | Step down | 1ch | MFP12S(225mil) | Sanyo |
| LV5072M | 2,95 | 5,5 | 2 | 2200 | Step down | 1ch | MFP12S(225mil) | Sanyo |
| LV5256GP | 4,5 | 10 | 0,65 | Variable | Step up/down | 1ch | VCT20(3.0×3.0) | Sanyo |
| LV5851M | 5 | 18 | 3 | 500 | Step down | 1ch | MFP8(225mil) | Sanyo |
| LV5856MX | 8 | 18 | 3 | 340 | Step down | 1ch | MFP8(200mil) | Sanyo |
| LV5857MX | 8 | 18 | 3 | 340 | Step down | 1ch | MFP8(200mil) | Sanyo |

DC-DC IC's with external Fets

| Type No. | Input voltage [V] | | Output current IO max [A] | SW frequency [kHz] | Type | Channels | Package | Manufacturer |
|-----------|-------------------|------------|---------------------------------|-----------------------|-----------|----------|-----------------|--------------|
| | VIN min | VIN max | | | | | | |
| LV5061V | 4,5 | 18 | 5* | Variable | Step down | 1ch | SSOP16(225mil) | Sanyo |
| LV5068V | 4,5 | 40 | - | Variable | Step down | 1ch | SSOP16(225mil) | Sanyo |
| LV5744V | 8 | 33 | 10* | Variable | Step down | 2ch | SSOP16(225mil) | Sanyo |
| LV5044V | 7.5 (4.5) | 16.0 (6.0) | 15* | Variable | Step down | 2ch | SSOP30(275mil) | Sanyo |
| LV5050NV | 7.5 (4.5) | 16.0 (6.0) | 15* | Variable | Step down | 1ch | SSOP20(225mil) | Sanyo |
| LV5747NTT | 8 | 42 | 10* | 300 | Step down | 1ch | MSOP12(150mil) | Sanyo |
| LV5762LF | 8 | 42 | - | 150 | Step down | 1ch | VQFN16(3.0×3.0) | Sanyo |
| LV5741 | 8,5 | 42 | 10* | 80 | Step down | 1ch | DIP16(300mil) | Sanyo |
| LV5749NV | 8,5 | 42 | 10* | Variable | Step down | 1ch | SSOP16(225mil) | Sanyo |
| LV5761V | 8,5 | 42 | 10* | Variable | Step down | 1ch | SSOP16(225mil) | Sanyo |
| LV5768M | 8,5 | 42 | 10* | Variable | Step down | 1ch | MFP14S(225mil) | Sanyo |
| LV5769V | 8,5 | 42 | - | Variable | Step down | 1ch | SSOP16(225mil) | Sanyo |
| LV5769VZ | 8,5 | 42 | - | Variable | Step down | 1ch | SSOP16(225mil) | Sanyo |
| LV5052V | 9,5 | 16 | 15* | Variable | Step down | 2ch | SSOP30(275mil) | Sanyo |

IC for Power Management

DC-DC Step Down IC's with Fet on board (Wide input range 10V up to 60V, high output current)

| Type No. | Input voltage [V] | | Output current IO max [A] | SW frequency [kHz] | Type | Channels | Package | Manufacturer |
|----------|------------------------------|-------------------------|---------------------------------|-----------------------|-----------------|----------|----------------|--------------|
| | V _{IN} Range [V] | V _{output} [V] | | | | | | |
| TN5D01A | 10 - 57 | 2.7 to 4.9 | 5 | 150 | Variable output | 1ch | TO-220FI5H-HCC | Sanyo |
| TN5D41 | 10 - 57 | 5 | 5 | 150 | Fixed output | 1ch | TO-220FI5H-HB | Sanyo |
| TN5D41A | 10 - 57 | 5 | 5 | 150 | Fixed output | 1ch | TO-220FI5H-HB | Sanyo |
| TN5D51 | 10 - 57 | 12 | 5 | 150 | Fixed output | 1ch | TO-220FI5H-HB | Sanyo |
| TN5D51A | 10 - 57 | 12 | 5 | 150 | Fixed output | 1ch | TO-220FI5H-HB | Sanyo |
| TN5D61A | 10 - 57 | 24 | 5 | 150 | Fixed output | 1ch | TO-220FI5H-HB | Sanyo |
| TN7D51 | 10 - 57 | 12 | 7 | 150 | Fixed output | 1ch | TO-220FI5H-HB | Sanyo |
| TN8D41A | 10 - 57 | 5 | 8 | 150 | Fixed output | 1ch | TO-220FI5H-HB | Sanyo |
| TN8D51A | 10 - 57 | 12 | 8 | 150 | Fixed output | 1ch | TO-220FI5H-HB | Sanyo |

Step-Up DC-DC Converter and Controller

Step-Up DC-DC Converter

| Part No. | Features | V _{IN} (Range)(V) | Efficiency | I _o (mA) | I _o (uA) | Package |
|------------|--|----------------------------|------------|---------------------|---------------------|----------------------|
| UC3506* | 1V High Efficiency Synchronous Step-Up Converters | 0.6V~5.5V | Up to 92% | 1000 | 18 | TSSOP-8 |
| UC8383-XX | 120KHz Max PFM Step-Up DC-DC Converters | 0.8V ~ 5.5V | Up to 85% | Up to 100mA | 18 | SOT-89 |
| UC3383-xx | PFM Controlled, Step-Up DC-DC Converters With Enable Function | 0.9V ~ 10V | Up to 85% | Up to 50mA | 10,6 | SOT-25 SOT-89 |
| UC3382-xx | PWM/PFM Controlled, Step-Up DC-DC Converters and controller | 0.9V~10V | 85%(TYP) | Up to 100mA | 5 | SOT-25 SOT-89-5 |
| UC3553-XX* | High Efficiency Synchronous Step-Up DC-DC Converters (V _{out} =1.8V~5.5V) | 1.1V~5.5V | Up to 92% | Up to 300mA | 20 | MSOP-8 |
| UC2306-xx | DC-DC Converters With Low-Battery Detector Active in Shutdown | 1.5V ~ 8V | Up to 85% | 1000 | 120 | SOP-8 DIP-8 |
| UC3555* | 500mA PFM Synchronous Step-Up DC-DC Converters and Controller (V _{out} =3.0V, 3.3V, 5.0V) with BAT Lo detection | 1.6V~4.5V | 95%(TYP) | Up to 500mA | 80 | TSSOP-8/MSOP-8/SOP-8 |
| UC3551-XX* | 450KHz High Efficiency Step-Up DC-DC Converters and Controller | 2V~6V | Up to 90% | Up to 300mA | 25 | SOT-26 SOT-89-5 |
| UC3500-XX | 150KHz Max VFM Step-Up DC-DC Converters (V _O =2.5V~5V) | 1.1V~7V | 87%(TYP) | Up to 150mA | 18 | SOT-25 SOT-23 SOT-89 |

Step-Up PWM DC-DC Controller

| Part No. | Features | V _{IN} (Range)(V) | Efficiency | I _o (mA) | I _o (uA) | Package |
|-----------|--|----------------------------|------------|---------------------|---------------------|--------------|
| UC3380 | PWM/PFM Step -Up Switching Regulator Controller(V _O =1.8V~5V) | 0.9V~10V | 86% | 80 | 40 | SOT-25 |
| UC3550-XX | 300KHz PWM Step-Up DC-DC Controller(V _O =3.3V · 5V) | 0.9V~8V | 88% | Up to 1000mA | <200 | SOT-25 |
| UC3552-XX | Step-Up DC-DC Converters and PWM Controller | 2.6V~5.5V | 90% | 1600mA | 1200 | MSOP-8 SOP-8 |

DC-DC Converter(Step-Down /Step-Up)

| Part No. | Features | V _{IN} (max) | Efficiency | I _{cc} | I _{sw} (A) | Package |
|-----------|---|-----------------------|------------|----------------------|---------------------|----------------------------|
| | | P _D (mW) | | | | |
| 3563 | High-Efficiency DC-DC Converter | 3V~30V | 90% | 1.6mA | 1.5 | DIP-8 SOP-8 |
| | | 1000/625mW | | | | |
| MC34063/A | Variable Frequency DC-DC Converter Controller IC for Step-Up or Step-Down Voltage Converter | 3V~40V | 88% | 2.7mA | 1.5 | DIP-8 SOP-8 |
| | | 1250/625mW | | | | |
| MC33167* | 5A DC-DC Converter with standby mode Step-Up or Step-Down or inverse | 3V~40V | 80% | 60mA Op 36uA stby | 5A | TO-252-5/TO-263-5/TO-220-5 |
| | | 1250/625mW | | | | |

Step Down Switching Regulators

High Voltage Step-Down Switching Regulators

| Part No. | Features | V _{IN} (Range)(V) | V _{FB} (V) | I _Q (mA) | I _{STBY} (μA) | Package |
|----------|---|----------------------------|---------------------|---------------------|------------------------|-------------------------------|
| | | I _{OUT} (A) | η(%) | | | |
| P1593* | 1.0A 200KHz, PWM Step-down Switching Regulator with soft start | 4.5V~26V | 0.75 | 4 | 2 | SOT-89-5 |
| | | 1,2 | Up to 85% | | | |
| P1595 | 1.5A 200KHz, PWM Step-down Switching Regulator with soft start | 4.5V~24V | 0.75 | 4 | 2 | SOT-89-5 |
| | | 1,5 | Up to 85% | | | |
| P1596 | 1.5A 150KHz, PWM Step-down Switching Regulator | 4.5V~24V | 1.23 | 5 | 70 | TO-220B TO-220-5 TO-263-5 |
| | | 1,5 | Up to 90% | | | |
| P1586* | 1.5A 1.25MHz, PWM Step-down Switching Regulator | 3V~25V | 1.2 | 1,0 | 6 | HSOP-8 MSOP-8 |
| | | 1,5 | Up to 90% | | | |
| P3576 | 2.0A 85KHz, PWM Step-down Switching Regulator | 7V to 40V | 1.23 | 4 | 100 | SOP-8 |
| | | 2A | Up to 90% | | | |
| P1696 | 2.0A 150KHz, PWM Step-down Switching Regulator | 4.5V~24V | 1.23 | 5 | 80 | SOP-8 HSOP-8 |
| | | 2,0 | Up to 90% | | | |
| P1785 | 2.0A 300KHz, PWM Step-down Switching Regulator With Internal OCSET | 3.6V~23V | 0,8 | | 10 | SOP-8 |
| | | 2,0 | Up to 95% | | | |
| P1885 | 2.0A 300KHz, PWM Step-down Switching Regulator | 3.6V~23V | 0,8 | - | 10 | SOP-8 |
| | | 2,0 | Up to 95% | | | |
| P1580 | 2.5A 380KHz, PWM Step-down Switching Regulator | 3.5V~28V | 1,222 | 1.7 | 5 | HSOP-8 |
| | | 2,5 | Up to 90% | | | |
| P2576 | 3.0A 52KHz, PWM Step-down Switching Regulator | 7V~40V | 1.23 | 5 | 50 | SOP-8 HSOP-8 TO-220B TO-263-5 |
| | | 3,0 | Up to 85% | | | |
| P3596 | 3.0A 150KHz, PWM Step-down Switching Regulator | 4.5V~35V | 1.23 | 5 | 80 | TO-220-5 TO-220B TO-263-5 |
| | | 3,0 | Up to 85% | | | |
| P1786 | 3,0A 300KHz, PWM Step-down Switching Regulator With external OCSET | 4V~24V | 0,8 | - | 10 | SOP-8 |
| | | 3,0 | Up to 95% | | | |
| P1886 | 3,0A 300KHz, PWM Step-down Switching Regulator Internal Frequency Compensation With Fewer Component Count | 4V~23V | 0,8 | - | 10 | SOP-8 |
| | | 3,0 | Up to 95% | | | |
| P1986 | 3.0A 330KHz, PWM Step-down Switching Regulator Built-In Soft Start With Fewer Component Count | 3.6~28V | 0,8 | 5 | 10 | SOP-8 |
| | | 3,0 | Up to 95% | | | |
| P2583 | 3.0A 380KHz, PWM Step-down Switching Regulator | 3.6V~28V | 1.222 | 3,5 | 30 | SOP-8 |
| | | 3,0 | Up to 95% | | | |
| P3586 | 3.0A 1.2MHz , PWM Step-down Switching Regulator | 3.6V to 23V | 0,8 | 4 | 10 | SOP-8 |
| | | 3A | Up to 92% | | | |

Synchronous Step-Down DC-DC Converter (Buck)

| Part No. | Features | V _{IN} (Range)(V) | η(%) | I _Q (μA) | I _{STBY} (μA) | Package |
|-----------|---|----------------------------|----------|---------------------|------------------------|----------------------------|
| | | I _{OUT} (A) | | | | |
| UC3655-XX | 600KHz /1.2MHz 0.5A Synchronous Buck Converter | 2V~6V | 92 | 70 | 1,0 | SOT-25 |
| | | 0.5 | | | | |
| UC3656-XX | 1.0MHz, 800mA High Efficiency Step-Down DC/DC Converter | 2.5V~5.5V | 90 | 300 | 0,5 | SOT-25 |
| | | 0.8 | | | | |
| UC3666-XX | 1.6MHz, Dual Channel 800mA High Efficiency Step-Down DC/DC Converter; (Dual UC3656) | 2.5V~5.5V | 90 | - | 0,1 | SON-10 |
| | | 0.8 | | | | |
| UC3657* | 1.2MHz , 1.2A Synchronous Buck Converter | 2.5V~5.5V | Up to 95 | 300 | 0,5 | TDFN-10(3x3) SOP-8 TSSOP-8 |
| | | 0.8 | | | | |

Step-Down DC-DC PWM or PFM Controller (Buck)

| Part No. | Features | V _{IN} (Range)(V) | η(%) | I _Q (μA) | I _{STBY} (μA) | Package |
|-----------|---------------------------------|----------------------------|------|---------------------|------------------------|---------|
| UC3750-XX | 600kHz PWM /PFM Buck Controller | 2.45V~5.5V 2.0 | 92 | 50μA(Typ) | 0,3 | SOT-25 |

Voltage Mode PWM Controller IC

| Part No. | Features | V _{CC} (Max) | I _C (I _O) | Switching Frequency | | Package |
|----------|---|----------------------------|----------------------------------|--|------------------------------------|------------------------|
| | | P _D (mW) | | V _{REF} (I _{REF} =1mA) | I _{STBY} / I _O | |
| L2800 | Low Voltage Switching Regulator Controller | 1.8V~15V 570/580mW | ±40mA | 10KHz ~ 1000KHz | 1.0uA / 5.5mA | SOP-8 TSSOP-8 |
| TL5001 | Pulse width Modulation Control Circuits | 3.6V~40V | 20mA | 20KHz ~ 500KHz | 1V (±0.05V) / 1.0mA / 1.4mA | DIP-8 SOP-8 |
| TL1451 | Dual Pulse width Modulation Control Circuits | 3.6V~50V 1000/500/700mW | 20mA | 1KHz ~ 350KHz | 2.5V (±0.1V) / 1.3mA / 1.7mA | DIP-16 SOP-16 TSSOP-16 |
| BA9741 | Two-Channel Switching Regulator Controller | 3.6V~36V 500/650mW | 120mA | 10KHz ~ 800KHz | 2.5V (±0.1V) / 1.3mA / 1.6mA | DIP-16 SOP-16 TSSOP-16 |
| 3531 | Power Supply Supervisory + Regulator + PWM | 4.5V~7.0V | 10mA | PGI to PGO | 200ms~400ms | DIP-20 |
| 3521 | PWM Controller with Supervisory Circuit for Switching Power Supply. | 5.5V | 20mA | PGI to PGO | 100ms~500ms | DIP-16 |
| TL494 | Voltage Mode PWM Control IC | 7V~40V 1000mW | 200mA | 1KHz ~ 300KHz | 5V (±5%) / 6.0mA / 7.5mA | DIP-16 SOP-16 |
| TL594 | Pulse-Width-Modulation Control Circuit | 7V~40V | 200mA | 1KHz ~ 300KHz | 5V (±1%) / 9.0mA / 12.4mA | DIP-16 SOP-16 TSSOP-16 |
| UA7500B | Voltage Mode PWM Control IC | 7V~40V 1000mW | 200mA | 1KHz ~ 300KHz | 5V (±5%) / 6.0mA / 7.5mA | DIP-16 SOP-16 |
| U3525 | PWM controller IC, PWM latching | 8V~35V 1000mW | 100mA | 100KHz ~ 400KHz | 5.1V (±0.1V) / 14mA / - | DIP-16 SOP-16 |
| U9751B | Double Channels PWM Controller | 38V | 450mA | 400KHz (RT=10kΩ CT=220pF) | 2.46 V(±3%) / 1.7mA/2mA | DIP-16 SOP-16 TSSOP-16 |
| 51494 | Voltage Mode PWM Control IC with Power Good Signal | 42V 1500mW | 250mA | 10KHz (RT=12kΩ CT=0.01uF) | 5V (±5%) / - / 6.0m | DIP-16 SOP-16 |

Current Mode PWM Controller

| Part No. | Features | V _{CC} (Max) | I _C / I _O | Fosc(KHZ) | V _{REF} (I _{REF} =1mA) | Package |
|------------|---|-----------------------|---------------------------------|-----------------|--|-------------|
| | | P _D (mW) | | V _{OL} | V _{OH} | |
| UC2843B | PWM Controllers with Low Start-Up Current | 30V 700mW | 1A | 49~55KHz | 5V (±1%) | SOP-8 |
| UC3842/43A | PWM Controllers with Low Start-Up Current | 30V 1000/500mW | 1A | 47~57KHz | 5V (±2%) | DIP-8 SOP-8 |
| UC3842/43B | PWM Controllers with Low Start-Up Current | 30V 1250/702mW | 1A | 49~55KHz | 5V (±2%) | DIP-8 SOP-8 |
| UC3844/45 | PWM Controllers with Low Start-Up Current | 30V 1250/862mW | 1A | 47~57KHz | 5V (±2%) | DIP-8 SOP-8 |
| UC2844/45 | PWM Controllers with Low Start-Up Current | 30V 862mW | 1A | 47~57KHz | 5V (±2%) | DIP-8 SOP-8 |

Green Mode PWM Controller

| Part No. | Features | V _{CC} (Max) | I _{start} (Max) | Fosc (norm) | Fosc (green) | Package |
|----------|--|-----------------------|--------------------------|-------------|--------------|--------------|
| UC3852* | PWM Current-Mode Controller for Universal Off-Line Supplies Featuring Standby and Short Circuit Protection | 30V | 20uA(Typ) | 65kHz | 20kHz | DIP-8 SOP-8 |
| UC3846* | PWM Current Mode Controller for Flyback Converters (Low Startup Current TYP=5uA) | 20V | 30uA | 70kHz | 13kHz | DIP-8 SOT-26 |
| UC3848 | Enhanced Energy Saving PWM to Meet Green Power with frequency reducing at light load | 22V | 45uA | 68kHz | 20kHz | DIP-8 SOP-8 |
| UC3849* | Enhanced Energy Saving PWM with frequency modulation for EMI reducing | 22V | 45uA | 68kHz | 20kHz | DIP-8 SOP-8 |
| UC3842G | Enhanced Energy Saving for Industrial 384X to Meet Green Power | 30V | 40uA | 52kHz | 22kHz~29kHz | DIP-8 SOP-8 |
| UC3843G* | Enhanced Energy Saving for Industrial 384X to Meet Green Power | 30V | 40uA | 52kHz | 30kHz | DIP-8 SOP-8 |
| UC3856* | Green Mode Current Mode PWM Controllers With HV Start-Up and Frequency Modulation for EMI Suppression | 30V | 100uA | 65kHz | 20kHz | SOT-26 |

Shunt Reference Regulators

Adjustable Shunt Reference Regulator

| Part No. | Features | $V_{KA}(V)$ | $I_{KA}(mA)(min\sim max)$ | $Z_{KA}(\Omega)$ | Package |
|----------|--|--------------|---------------------------|------------------|--|
| | | $V_{REF}(V)$ | $I_{REF}(\mu A)$ | | |
| TL432D* | 0.8V Precision Adjustable Shunt Reference Regulator | 15V | 0.6mA~10mA | - | SOP-8 SOT-23 SOT-25 SOT-89 TO-92 |
| | | 0.8V | 3.0μA | | |
| TL432C | 1.24V Precision Adjustable Shunt Reference Regulator (±1.0%/±2.0%) | 15V | 0.6mA~10mA | - | SOP-8 SOT-23 SOT-25 SOT-89 TO-92 |
| | | 1.24V | 3.0μA | | |
| TL432 | 1.25V Precision Adjustable Shunt Reference Regulator (±0.5%/±1.0%±2.0%) | 15V | 0.6mA~10mA | - | SOP-8 SOT-23 SOT-25 SOT-89 TO-92 |
| | | 1.25V | 3.0μA | | |
| TL431 | 2.495V Programmable Precision Adjustable Shunt Reference (±0.5%/±1.0%±2.0%) | 36V | 0.3mA~100mA | 0,15 | SOP-8 SOT-23 SOT-25 SOT-89 TO-92 |
| | | 2.495V | 1.5μA | | |
| LL431 | 2.495V Programmable Precision Adjustable Shunt Reference | 36V | 0.15mA~100mA | 0,15 | SOP-8 SOT-23 SOT-25 SOT-89 TO-92 |
| | | 2.495V | 1.5μA | | |
| TL1093 | 2.495V Programmable Precision Adjustable Shunt Reference | 36V | 0.3mA~100mA | 0,15 | SOT-89 |
| | | 2.495V | 1.5μA | | |
| TL431L | 2.50V Programmable Precision Adjustable Shunt Reference | 20V | 0.45mA~100mA | 0,15 | SOP-8 SOT-23 SOT-25 MSOP-8 SOT-89 TO-92 |
| | | 2.5V | 1.5μA | | |

Micropower Voltage Reference

| Part No. | Features | $V_{KA}(V)$ | $I_{KA}(mA)(min\sim max)$ | $Z_{KA}(\Omega)$ | Package |
|----------|---|--------------|---------------------------|------------------|---------|
| | | $V_{REF}(V)$ | $I_{REF}(nA)$ | | |
| LM4041 | 1.225V Precision Micropower Shunt Reference Regulator | 10V | 0.045mA~12mA | 0,3 | SOT-23 |
| | | 1.225V | 150nA | | |
| M385 | 1.235V Micropower Voltage Reference | - | 0.008mA~30mA | 1 | SOP-8 |
| | | 1.235V, 2.5V | - | | |

Voltage Detection and System Reset IC

| Part No. | Features | Vcc | Detect Volt. Range (V) | Accurate | Package |
|----------|---|--------------------------|------------------------|----------|---|
| | | Icc | | | |
| 81XX | Voltage Detection and System Reset IC | -0.3V~+18.0V | 1.8~4.6 & 5.0 | ±3% | SOT-23 SOT-25 SOT-89 TO-92 |
| | | 3uA (Typ)/ 5uA (Max) | | | |
| 82XX | Voltage Detection and System Reset IC with Manual Reset Function, Built-in Delay Time: 60~150ms;120~300ms;240ms ~ 600ms | -0.3V~+10.0V | 1.8~4.6 & 5.0 | | SOT-25 |
| | | 600uA (Max) | | | |
| 88CXX | CMOS Output High-Precision Voltage Detectors with Delay Controlled by External Capacitor | 0.95V~+10.0V | 1.1 ~ 6.0 | ±2% | SOT-25 |
| | | 1.5uA(Typ)/4.2uA(Max) | | | |
| 88NXX | Nch Open Drain High-Precision Voltage Detectors with Delay Controlled by External Capacitor | 0.95V~+10.0V | 1.1 ~ 6.0 | ±2% | SOT-25 SOT-143 |
| | | 1.5uA (Typ)/4.2uA (Max) | | | |
| 83CXXX | CMOS Output Voltage Detectors with Manual Reset Function. Built-in Delay Time: 140~520ms | 1.0~5.5V | 2.93 ~ 3.08 | ±2.5% | SOT-25 SOT-353 |
| | | 5uA (Typ)/ 15uA (Max) | | | |
| UIC811 | Microprocessor Reset Circuits Include Manual Reset. Built-in Delay Time: 140~560ms; Reset Out With Aactive Low | 1.0~5.5V | 2.63 ~ 5.0 | ±2.5% | SOT-143 |
| | | 5uA (Typ)/ 15uA (Max) | | | |
| UIC812 | Microprocessor Reset Circuits Include Manual Reset. Built-in Delay Time: 140~560ms; Reset Out With Aactive High | 1.0~5.5V | 2.63 ~ 5.0 | ±2.5% | SOT-143 |
| | | 5uA (Typ)/ 15uA (Max) | | | |
| U7704* | Nch Open Drain Output Voltage Detection, Low Quiescent Current, Adjustable delay time with external capacitor, Manual Reset | 0.95V~+10.0V | 1.0 ~ 6.0 | ±1% | SOT-25 SOT353 |
| | | 1.5uA (Typ)/2.5uA (Max) | | | |
| U7705* | CMOS Output Voltage Detection, Low Quiescent Current, Adjustable delay time with external capacitor, Manual Reset | 0.95V~+10.0V | 1.0 ~ 6.0 | ±1% | SOT-25 SOT353 |
| | | 1.5uA (Typ)/ 2.5uA (Max) | | | |
| 81CXX | CMOS Output Voltage Detectors with Built-in Delay. Built-in Delay Time:1ms ~ 50ms &50 ~ 200 ms& 200ms ~ 400ms | 0.95V~+12.0V | 1.0 ~ 6.0 | ±2% | SOT-23 SOT-89 SOT-23-3 TO-92 SOT-223 |
| | | 2uA (Typ)/ 4.2uA (Max) | | | |
| 81NXX | Nch Open Drain Voltage Detectors with Built-in Delay. Built-in Delay Time:1ms ~ 50ms &50 ~ 200 ms& 200ms ~ 400ms | 0.95V~+12.0V | 1.0 ~ 6.0 | ±2% | SOT-23 SOT-89 SOT-23-3 TO-92 SOT-223 |
| | | 2uA (Typ)/ 4.2uA (Max) | | | |
| 82CXX | CMOS Output Voltage Detectors | 12V | 0.9 ~ 6.0 | ±2% | SOT-23 SOT-25 TO-92 |
| | | 1uA (Typ)/ 3.6uA (Max) | | | |
| 82NXX | N-ch Open Drain Output Voltage Detectors | 12V | 0.9 ~ 6.0 | ±2% | SOT-23 SOT-25 SOT-89 TO-92 |
| | | 1uA (Typ)/ 3.6uA (Max) | | | |

Power Factor Controller

| Part No. | Features | Vcc | I _{START-UP} | Package |
|----------|--|-------------------------------|-----------------------|---------------|
| | | Feedback V _{REF} (V) | B _w (MHZ) | |
| 7842* | Power Factor Correction and PWM Controller Combo | 0V~7V | TYP=0.7mA | DIP-16 SOP-16 |
| | | TYP=7.5V | 10MHz | |
| 8565* | Power Factor Correction (PFC) Controller in Continuous Conduction Mode (CCM) | 10.5V~21V | 50~200uA | DIP-8 SOP-8 |
| | | 4.9~5.1V | - | |
| UA7527 | Power Factor Correction Controller | 10.5V~30V | 10~100uA | DIP-8 SOP-8 |
| | | TYP=2.5V | 1.0MHz | |
| L8561 | Power Factor Correction Controller | 11V~18V | 20~90uA | DIP-8 SOP-8 |
| | | TYP=2.5V | TYP=1.0MHz | |
| L8562 | Power Factor Correction Controller | 11V~18V | 40~100uA | DIP-8 SOP-8 |
| | | TYP=2.5V | TYP=0.8MHz | |
| L8961* | Boundary Mode Power Factor Correction Controller | 11V~24.5V | < 20uA | DIP-8 SOP-8 |
| | | 2.475~2.525V | - | |
| UA7524 | Power Factor Correction Controller | 20V | - | DIP-8 SOP-8 |
| | | TYP=2.5V | 1.0MHz | |