

PORTABLE LOW POWER SYSTEMS

RECOMMENDED DEVICES

LOW DROP OUT VOLTAGE REGULATORS LD1117 SERIES: IOUT UP TO 800mA

| Type | VOUT (V) |
|-----------|--------------------|
| LD1117D | Adjustable Voltage |
| LD1117D25 | 2.5 |
| LD1117D28 | 2.85 |
| LD1117D30 | 3.3 |
| LD1117D50 | 5.0 |

package available: SO-8, DPAK, SOT-223, TO-220

VERY LOW DROP VOLTAGE REGULATORS LExx SERIES: IOUT UP TO 500mA WITH INHIBIT CONTROL/DUMP @ 40V

| Type | VOUT (V) |
|------|----------|
| LF33 | 3.3 |
| LF50 | 5.0 |
| LF52 | 5.2 |
| LF55 | 5.5 |
| LF60 | 6.0 |
| LF80 | 8.0 |

package available: SO-8, DPAK, TO-220, PENTAWATT

SEE MEMORY PRODUCTS SELECTOR FOR RECOMMENDED MEMORIES

| PORTABLE LOW POWER SYSTEMS | |
|----------------------------|--|
| B | OTP Memory - 3.3V +/- 10% range |
| C | OTP Memory - 2.7V to 3.6V range |
| H | FLASH Memory - Dual supply 3.3V/12V |
| J | Serial EEPROM I2C Bus - 2 wire 100 KHz |
| K | Serial EEPROM I2C Bus - 2 wire 400 KHz |
| L | SPI bus - 2 Mhz |
| M | MICROWIRE bus - 1 Mhz |
| N | Dedicated EEPROM |
| O | Parallel EEPROM - 3V range |
| V | Very fast SRAM - 3.3V range |
| Y | Memories with MCU |

VERY LOW DROP VOLTAGE REGULATORS LExx SERIES: IOUT UP TO 100mA WITH INHIBIT

| Type | VOUT (V) |
|------|----------|
| LE25 | 2.5 |
| LE27 | 2.7 |
| LE30 | 3.0 |
| LE33 | 3.3 |
| LE35 | 3.5 |
| LE40 | 4.0 |
| LE45 | 4.5 |
| LE47 | 4.7 |
| LE50 | 5.0 |
| LE52 | 5.2 |
| LE55 | 5.5 |
| LE60 | 6.0 |
| LE80 | 8.0 |

package available: SO-8, TO-92

VERY LOW DROP VOLTAGE REGULATORS LK115xx SERIES IOUT UP TO 100mA / Iq = 0.01µA IN OFF MODE

| Type | VOUT (V) |
|----------|----------|
| LK115D20 | 2V |
| LK115D25 | 2.5 |
| LK115D30 | 3 |
| LK115D33 | 3.3 |
| LK115D40 | 4 |
| LK115D47 | 4.7 |
| LK115D48 | 4.85 |
| LK115D50 | 5 |
| LK115D55 | 5.5 |

package: SO-8

LOW POWER CONSUMPTION OP-AMPS CMOS TECHNOLOGY

| Type | Function |
|---------|--|
| TS3V902 | Dual Rail to Rail with standby |
| TS3V912 | Dual Rail to Rail |
| TS3V904 | Quad Rail to Rail Op. Amp. with Stand By |
| TS3V914 | Quad Rail to Rail Op. Amp. |
| TS271 | Single Op. Amp. |
| TS27L2 | Dual/Low Supply Current |
| TS27M2 | Dual/Medium Supply Current |
| TS272 | Dual/High Speed |
| TS27L4 | Quad/Low Supply Current |
| TS27M4 | Quad/Medium Supply Current |
| TS274 | Quad/High Speed |

packages available: SO-8, SO-14, Dip-8, DIP-14

LOW POWER TIMERS/COMPARATORS

| Type | Function |
|----------|-----------------------------|
| TS3V555 | Single Timer |
| TS3V556 | Dual Timer |
| TS3V393 | Dual Comparator |
| TS3V3702 | Dual Comp. Push-Pull Output |
| TS3V339 | Quad Comparator |
| TS3V3704 | Quad Comp. Push-Pull Output |

packages available: DIP-8, DIP-14, SO-8, SO-14

PORTABLE LOW POWER SYSTEMS

RECOMMENDED DEVICES

LOW DROP POWER SCHOTTKY DIODES FOR SECONDARY RECTIFICATION / $V_R = 25V$, $V_F = 0.35V$ @ $T_{JMAX} = 125^\circ C$

| Type | Current Ratings |
|-------------|----------------------------|
| STPS5L25B | 1x5 A, DPAK, TO220AC |
| STPS10L25D | 1x10 A TO-220AB, TO220AC |
| STPS15L25 | 1x15 A Power SO-10 |
| STPS20L25CG | 2x10 A, D ² PAK |
| STPS20L25CT | 2x10 A TO-220AB |

LOW DROP POWER SCHOTTKY DIODES FOR RECTIFICATION / $V_R = 10V$, $V_F = 0.30V$ @ $T_{JMAX} = 100^\circ C$

| Type | Current Ratings |
|-------------|-----------------|
| STPS15L10D | 1x15 A, TO-220 |
| STPS80L10TV | 2x40 A, ISOTOP |

PROTECTIONS

| Type | Current Ratings |
|----------|----------------------------|
| SMLVT3V3 | Low Voltage Transil in SMD |

packages available: CB417, SOD6

LOW VOLTAGE LOGIC: LVQ FAMILY

| Type | Description | Package |
|-------------|---|----------------|
| 74LVQ00 | Quad 2-Input Nand Gate | SO14 / TSSOP14 |
| 74LVQ02 | Quad 2-Input Nor Gate | SO14 / TSSOP14 |
| 74LVQ04 | Hex Inverter | SO14 / TSSOP14 |
| 74LVQ08 | Quad 2-Input and Gate | SO14 / TSSOP14 |
| 74LVQ14 | Hex Schmitt Inverter | SO14 / TSSOP14 |
| 74LVQ32 | Quad 2-Input or Gate | SO14 / TSSOP14 |
| 74LVQ86 | Quad Exclusive or Gate | SO14 / TSSOP14 |
| 74LVQ125 | Quad Bus Buffer (3-State) | SO14 / TSSOP14 |
| 74LVQ74 | Dual D-Type Flip-Flop with Preset/Clear | SO14 / TSSOP14 |
| 74LVQ174 | Hex Bus Buffer (3-State) | SO16 / TSSOP16 |
| 74LVQ273 | Octal D-Type Flip-Flop with Clear | SO20 / TSSOP20 |
| 74LVQ374 | Octal D-Type Flip-Flop (3-State) | SO20 / TSSOP20 |
| 74LVQ574 | Octal D-Type Flip-Flop (3-State) | SO20 / TSSOP20 |
| 74LVQ373 | Octal D-Type Latch (3-State/Inverting) | SO20 / TSSOP20 |
| 74LVQ573 | Octal D-Type Latch (3-State) | SO20 / TSSOP20 |
| 74LVQ138 | 3 to 8 Line Decoder (Inverting) | SO16 / TSSOP16 |
| 74LVQ157 | Quad 2-Channel Multiplexer | SO16 / TSSOP16 |
| 74LVQ4066 | Quad Bilateral Switch | SO14 / TSSOP14 |
| 74LVQ240 | Octal Bus Buffer (3-State/Inverting) | SO20 / TSSOP20 |
| 74LVQ241 | Octal Bus Buffer (3-State) | SO20 / TSSOP20 |
| 74LVQ244 | Octal Buffer (3-State) | SO20 / TSSOP20 |
| 74LVQ245 | Octal Bus Transceiver (3-State) | SO20 / TSSOP20 |
| 74LVQ240HV* | Octal Bus Buffer (3-State/Inverting) | SO20 / TSSOP20 |
| 74LVQ241HV* | Octal Bus Buffer (3-State) | SO20 / TSSOP20 |
| 74LVQ244HV* | Octal Buffer (3-State) | SO20 / TSSOP20 |

* Supports 5V on Input