

# PORTABLE LOW POWER SYSTEMS

## RECOMMENDED DEVICES

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

Type	VOUT (V)
<a href="#">LD1117D</a>	Adjustable Voltage
<a href="#">LD1117D25</a>	2.5
<a href="#">LD1117D28</a>	2.85
<a href="#">LD1117D30</a>	3.3
<a href="#">LD1117D50</a>	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)
<a href="#">LK115D20</a>	2V
<a href="#">LK115D25</a>	2.5
<a href="#">LK115D30</a>	3
<a href="#">LK115D33</a>	3.3
<a href="#">LK115D40</a>	4
<a href="#">LK115D47</a>	4.7
<a href="#">LK115D48</a>	4.85
<a href="#">LK115D50</a>	5
<a href="#">LK115D55</a>	5.5

package: SO-8

### LOW POWER CONSUMPTION OP-AMPS CMOS TECHNOLOGY

Type	Function
<a href="#">TS3V902</a>	Dual Rail to Rail with standby
<a href="#">TS3V912</a>	Dual Rail to Rail
<a href="#">TS3V904</a>	Quad Rail to Rail Op. Amp. with Stand By
<a href="#">TS3V914</a>	Quad Rail to Rail Op. Amp.
<a href="#">TS271</a>	Single Op. Amp.
<a href="#">TS27L2</a>	Dual/Low Supply Current
<a href="#">TS27M2</a>	Dual/Medium Supply Current
<a href="#">TS272</a>	Dual/High Speed
<a href="#">TS27L4</a>	Quad/Low Supply Current
<a href="#">TS27M4</a>	Quad/Medium Supply Current
<a href="#">TS274</a>	Quad/High Speed

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

### LOW POWER TIMERS/COMPARATORS

Type	Function
<a href="#">TS3V555</a>	Single Timer
<a href="#">TS3V556</a>	Dual Timer
<a href="#">TS3V393</a>	Dual Comparator
<a href="#">TS3V3702</a>	Dual Comp. Push-Pull Output
<a href="#">TS3V339</a>	Quad Comparator
<a href="#">TS3V3704</a>	Quad Comp. Push-Pull Output

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

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

Type	Current Ratings
<a href="#">STPS5L25B</a>	1x5 A, DPAK, TO220AC
<a href="#">STPS10L25D</a>	1x10 A TO-220AB, TO220AC
<a href="#">STPS15L25</a>	1x15 A Power SO-10
<a href="#">STPS20L25CG</a>	2x10 A, D <sup>2</sup> PAK
<a href="#">STPS20L25CT</a>	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
<a href="#">STPS15L10D</a>	1x15 A, TO-220
<a href="#">STPS80L10TV</a>	2x40 A, ISOTOP

### PROTECTIONS

Type	Current Ratings
<a href="#">SMLVT3V3</a>	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

