



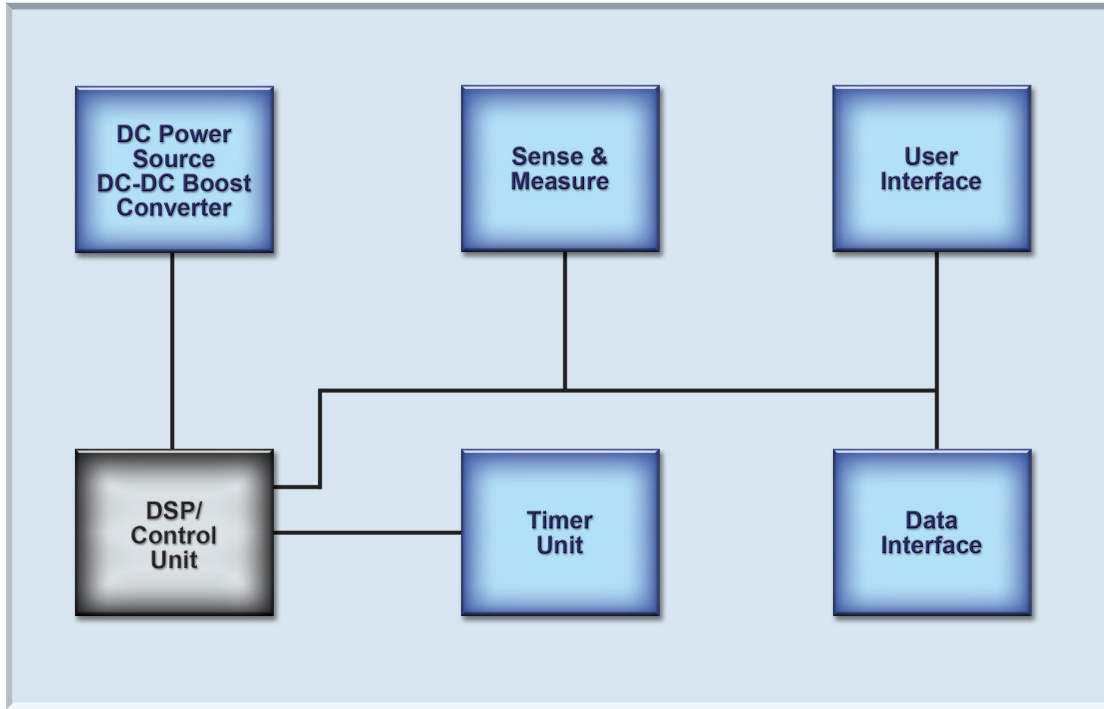
Glucose Meter



The ability to consistently monitor blood sugar levels is critical to the proper management of diabetes. Today's sophisticated analyzers offer greater functionality, enhanced accuracy and greatly improved battery life. To facilitate these modern designs, Central has developed devices that offer extremely small package size coupled with exceptional energy efficiency.

For more information visit: www.centrasemi.com/product/glucose

Glucose Meter Topology



DC Power Source DC-DC Boost Converter

• Uni-polar Transient Voltage Suppressors

-CMF5.0A thru CMF12A: 200W, 5.0V thru 12V (SOD-123F)

• MOSFETs

CMNDM7001: 100mA, 20V N-Channel (SOT-963)

CMNDM8001: 100mA, 20V P-Channel (SOT-963)

CMPDM7120G: 1.0A, 20V N-Channel (SOT-23)

CMLDM7120G: 250mA, 20V Low $r_{DS(ON)}$ N-Channel (SOT-563)

CMLDM8120: 860mA, 20V Low $r_{DS(ON)}$ P-Channel (SOT-563)

CMPDM8002A: 280mA, 50V P-Channel (SOT-23)

• Zener Diodes

-CMSZ5226B thru CMSZ5242B: 275mW, 3.3V thru 12V (SOT-323)

• Schottky Diodes

-CMRSH-4DO: 200mA, 40V Dual, Opposing (SOT-963)

-CMLSH05-4: 500mA, 40V Low V_F (SOT-563)

-CMOSH2-4L: 200mA, 40V Low V_F (SOD-523)

For more information visit: www.centrasemi.com/apps/dpsddbc4

Sense & Measure, User Interface, Data Interface, and Timer Unit continued on reverse side



Medical

Sense & Measure

• High Speed Switching Diodes



-CMLD4448: 250mA, 120V Dual, Isolated (SOT-563)

-CMAD4448: 250mA, 120V (SOD-923)

• Schottky Diodes



-CMASH-4: 200mA, 40V (SOD-923)

-CMRD6263DO: 15mA, 70V Dual, Opposing (SOT-963)

• Zener Diodes



-CMOZ3V3C thru CMOZ12VC: 250mW, 3.3V-12V (SOD-523)

For more information visit: www.centrasemi.com/apps/sm4

Timer Unit

• High Speed Switching Diodes



-CMLD4448: 250mA, 120V Dual, Isolated (SOT-563)

-CMAD4448: 250mA, 120V (SOD-923)

• Schottky Diodes



-CTL5H01-30L: 100mA, 30V Low V_F (TLM2D3D6)

-CMASH-4: 200mA, 40V (SOD-923)

-CF5H01-30: 100mA, 30V Low V_F (SOD-882L)

• Zener Diodes



-CMOZ3V3C thru CMOZ12VC: 250mW, 3.3V-12V (SOD-523)

For more information visit: www.centrasemi.com/apps/tu4

User Interface

• ESD Transient Voltage Suppressors



-CSL05: 400W, 5.0V Low Capacitance (SOT-23)

-CSL05D: 400W, 5.0V Dual, Low Capacitance (SOT-23)

-CMPLC1V5: 50W, 1.5V Low Capacitance (SOT-23)

-CMPLC1V5D: 50W, 1.5V Dual, Low Capacitance (SOT-23)

• Multi Discrete Modules (MDMs)



Combination:
-CMLM0205: 280mA, 60V N-Channel MOSFET and 0.5A, 40V Schottky Diode (SOT-563)

Combination:
-CMLM0305: 280mA, 50V P-Channel MOSFET and 0.5A, 40V Schottky Diode (SOT-563)

For more information visit: www.centrasemi.com/apps/ui4

Data Interface

• TVS/Zener Array



-CMNTVS12V: 18W, 12V (SOT-953)

• ESD Transient Voltage Suppressors



-CSL05: 400W, 5.0V Low Capacitance (SOT-23)

-CSL05D: 400W, 5.0V Dual, Low Capacitance (SOT-23)

-CMPLC1V5: 50W, 1.5V Low Capacitance (SOT-23)

-CMPLC1V5D: 50W, 1.5V Dual, Low Capacitance (SOT-23)

For more information visit: www.centrasemi.com/apps/di4

Samples



To order samples of these devices visit:
<http://web.centrasemi.com/search/sample.php>

Literature



New
SMD
SELECTION
GUIDE

Order your selection guide today.
Visit: web.centrasemi.com/search/sample.php



**Innovative Discrete
Semiconductors**

For further information contact:
Sales at Central Semiconductor Corp.
(631) 435-1110 or visit:
www.centrasemi.com