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CMPDM203NH

20V, 3.2A N-Channel MOSFET



Features:

- Low $r_{DS(ON)} = 33m\Omega$ @ $V_{GS} = 4.5V$
- High current $I_D = 3.2A$
- Low gate charge $Q_{gs} = 0.8nC$

Benefits:

- Energy efficiency
- 9% lower profile than the SOT-23 package
- Fast switching speed $t_{on} = 6.0ns$

Applications:

- Load/Power switches
- Power supply converter circuits
- Battery powered portable equipment
- Motor control

SOT-23F



Actual Size in mm
3.0 x 2.5 x 1.0

Sample request link: www.centrasemi.com/info/CMPDM203NH

Product information link: www.centrasemi.com/product/CMPDM203NH

CMPDM202PH

20V, 2.3A P-Channel MOSFET



Features:

- Low $r_{DS(ON)} = 64m\Omega$ @ $V_{GS} = 5.0V$
- High current $I_D = 2.3A$
- Low gate charge $Q_{gs} = 1.3nC$

Benefits:

- Energy efficiency
- 9% lower profile than the SOT-23 package
- Fast switching speed $t_{on} = 15.2ns$

Applications:

- Load/Power switches
- Power supply converter circuits
- Battery powered portable equipment
- Motor control

SOT-23F



Actual Size in mm
3.0 x 2.5 x 1.0

Sample request link: www.centrasemi.com/info/CMPDM202PH

Product information link: www.centrasemi.com/product/CMPDM202PH

CFSH01-30L

30V, 100mA Low V_F Schottky Diode



Features:

- Current ($I_O = 100mA$)
- Low forward voltage drop ($V_F = 0.30V$ @ $10mA$)
- Low leakage current ($I_R = 800nA$ @ $3.3V$)

Benefits:

- Energy efficiency
- Space saving, low profile SOD-882L SMD package

Applications:

- DC-DC conversion
- Voltage clamping
- Circuit protection
- Battery power management

SOD-882L



Actual Size in mm
1.05 x 0.65 x 0.4

Sample request link: www.centrasemi.com/info/CFSH01-30L

Product information link: www.centrasemi.com/product/CFSH01-30L

CSHD10-100C

10A, 100V, Common Cathode Schottky Rectifier



Features:

- High Current ($I_O = 10A$ total)
- Low forward voltage ($V_F = 0.8V$ @ $5.0A$)
- Low leakage at high temperature ($I_R = 20mA$ @ $T_J = 100^\circ C$)

Benefits:

- Energy efficiency
- Elevated temperature performance
- Single, dual or parallel configurations

Applications:

- Solar by-pass diode
- DC-DC output rectification
- Reverse polarity protection

DPAK



Actual Size in mm
10.0 x 6.8 x 2.75

Sample request link: www.centrasemi.com/info/CSHD10-100C

Product information link: www.centrasemi.com/product/CSHD10-100C

CMNDM7001 & CMNDM8001

20V, 100mA N-Channel and P-Channel MOSFETs



Features:

- Peak drain current = 200mA
- Low minimum gate voltage = 0.6V
- $r_{DS(ON)}$ = N-Channel: 0.9Ω
P-Channel: 1.9Ω

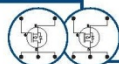
Benefits:

- Space saving miniature package
- Complementary N-Channel and P-Channel devices
- Energy efficiency

Applications:

- DC-DC conversion
- Boost switching
- Battery charging
- Load switching

SOT-953



Actual Size in mm
1.05 x 1.05 x 0.5

Sample request link: www.centrasemi.com/info/CMNDM

Product information link: www.centrasemi.com/product/CMNDM7001

CMPDM302PH

30V, 2.4A P-Channel MOSFET



Features:

- Low $r_{DS(ON)} = 61m\Omega$ @ $V_{GS} = 4.5V$
- High current $I_D = 2.4A$
- Low gate charge $Q_{gs} = 2.8nC$

Benefits:

- Energy efficiency
- 9% lower profile than the SOT-23 package
- Fast switching speed $t_{on} = 16.3ns$

Applications:

- Load/Power switches
- Power supply converter circuits
- Battery powered portable equipment
- Motor control

SOT-23F



Actual Size in mm
3.0 x 2.5 x 1.0

Sample request link: www.centrasemi.com/info/CMPDM302PH

Product information link: www.centrasemi.com/product/CMPDM302PH

CMUDM7004 & CMUDM8004

30V, 450mA Complementary N-Channel and P-Channel MOSFETs



Features:

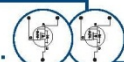
- ESD protection up to 2kV
- Low threshold voltage
- $r_{DS(ON)}$ = N-Channel: 0.28 Ω
P-Channel: 1.0 Ω
- Logic level compatible
- Low gate charge

Benefits:

- Closely matched reverse and forward characteristics
- Energy efficiency
- Integrated transient protection

Applications:

- High speed pulsed amplifiers
- Load/Power switches
- Power supply converter circuits
- Power management • Motor drives



Actual Size in mm
1.70 x 1.70 x 0.78

Sample request link: www.centrasemi.com/info/CMUDM

Product information link: www.centrasemi.com/product/CMUDM7004

CFSH2-3L

30V, 200mA, Low V_F Schottky Diode



Features:

- Very low forward voltage drop ($V_F = 0.24V @ 10mA$)
- Reverse current (4.0 $\mu A @ 10V$)

Benefits:

- Energy efficiency
- Space saving low profile package

Applications:

- DC-DC conversion
- Voltage clamping
- Circuit protection
- Battery power management



Actual Size in mm
1.05 x 0.65 x 0.4

Sample request link: www.centrasemi.com/info/CFSH2-3L

Product information link: www.centrasemi.com/product/CFSH2-3L

CMLDM3757

20V, 540mA N-Channel and 20V, 430mA P-Channel MOSFET Combination



Features:

- ESD protection up to 2kV
- 350mW power dissipation
- $r_{DS(ON)}$ = N-Channel: 350m Ω
P-Channel: 400m Ω
- Low threshold voltage
- Low gate charge

Benefits:

- Space saving SOT-563 package
- Energy efficiency
- Complementary N & P-Channel
- Facilitates component count reduction

Applications:

- Load power switches
- DC-DC conversion
- Battery charging circuits
- Boost switching



Actual Size in mm
1.7 x 1.7 x 0.6

Sample request link: www.centrasemi.com/info/CMLDM3757

Product information link: www.centrasemi.com/product/CMLDM3757

CMLDM7484

30V, 450mA N-Channel and P-Channel Complementary MOSFETs



Features:

- ESD protection up to 2kV
- 350mW power dissipation
- $r_{DS(ON)}$ = N-Channel: 0.28 Ω
P-Channel: 1.0 Ω
- Low threshold voltage
- Low input capacitance

Benefits:

- Space saving SOT-563 surface mount package
- Energy efficiency
- Facilitates component count reduction

Applications:

- Load power switches
- DC-DC conversion
- Battery charging circuits
- Boost switching



Actual Size in mm
1.7 x 1.7 x 0.6

Sample request link: www.centrasemi.com/info/CMLDM7484

Product information link: www.centrasemi.com/product/CMLDM7484

CMPDM303NH

30V, 3.6A N-Channel MOSFET



Features:

- Low $r_{DS(ON)} = 27m\Omega @ V_{GS} = 4.5V$
- High current $I_D = 3.6A$
- Low gate charge $Q_{gs} = 0.9nC$

Benefits:

- Energy efficient
- 9% lower profile than the SOT-23 package
- Fast switching speed $t_{ON} = 8.7ns$

Applications:

- Load/Power switches
- Power supply converter circuits
- Battery powered portable equipment
- Motor control



Actual Size in mm
3.0 x 2.5 x 1.0

Sample request link: www.centrasemi.com/info/CMPDM303NH

Product information link: www.centrasemi.com/product/CMPDM303NH

CMLM0574

30V, 450mA, N-Channel MOSFET and 40V, 500mA Schottky Diode



Features:

- MOSFET**
 - $r_{DS(on)} = 460m\Omega$
 - $V_{GS(th)} = 0.5V$ min.
- Schottky Diode**
 - $V_F = 0.35V @ 100mA$

Benefits:

- Space saving, multi-discrete device
- Facilitates assembly cost reduction

Applications:

- DC-DC conversion
- Power management applications
- Battery powered portable equipment
- Motor control
- Voltage clamping
- Reverse polarity protection



Actual Size in mm
1.7 x 1.7 x 0.6

Sample request link: www.centrasemi.com/info/CMLM0574

Product information link: www.centrasemi.com/product/CMLM0574