Central Semiconductor Corp.

Product eNewsletter

MANUFACTURER OF WORLD CLASS DISCRETE SEMICONDUCTORS

July 20, 2011

CMPDM203NH (N-Channel)
CMPDM202PH (P-Channel)

SOT-23F

20V, 3.2A N-Channel
20V, 2.3A P-Channel
complementary MOSFETs
in miniature SOT-23F packages

High Current , N-Channel and P-Channel MOSFETs

Description

Central Semiconductor's **CMPDM203NH** (N-Channel) and **CMPDM202PH** (P-Channel) are Enhancement mode MOSFETs in industry standard SOT-23F packages that optimize high current capability and energy efficiency. The combination of high current, low gate charge and low on-resistance makes these devices the ideal selection for energy sensitive applications requiring higher drain currents.

Request samples today.

CMPDM203NH: Request Samples

CMPDM202PH: Request Samples

Features

- Low $r_{DS(ON)}$:
  (33mΩ @ V_{GS}=4.5V) N-Channel
  (64mΩ @ V_{GS}=5.0V) P-Channel
- High current I_D:
  3.2A (N-Channel)
  2.3A (P-Channel)
- Low gate charge Q_{gs}:
  0.8nC (N-Channel)
  1.3nC (P-Channel)

Applications

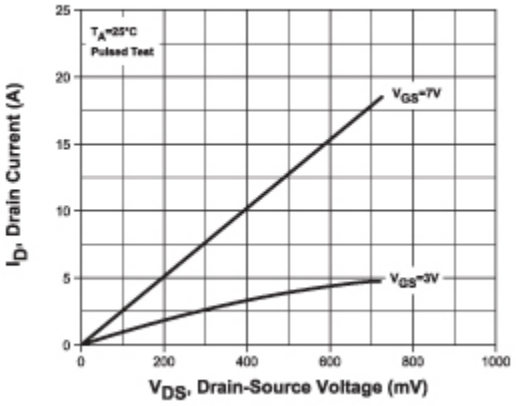
- Load/Power switches
- Power supply converter circuits
- Battery powered portable equipment
- Motor control

Benefits

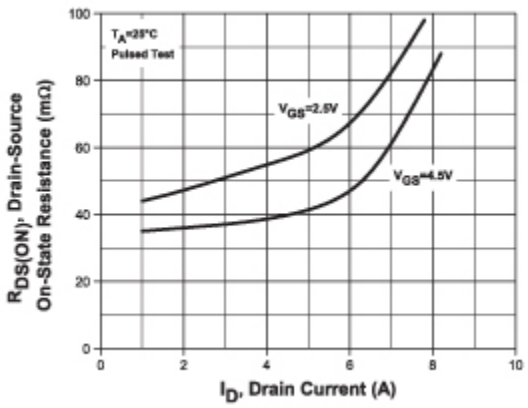
- Energy efficiency
- 9% lower package profile than the SOT-23
- Fast switching speed t_{on}:
  6.0ns (N-Channel)
  15.2ns (P-Channel)

N-Channel

CMPDM203NH Typical Output Characteristics

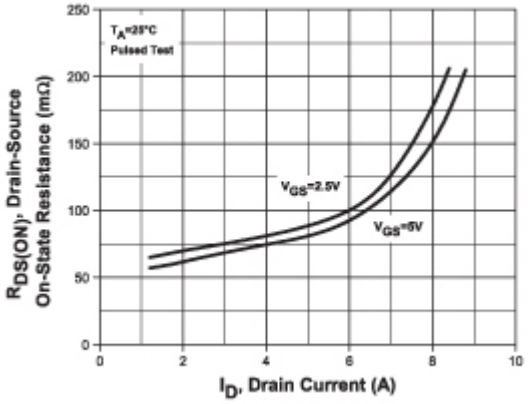


CMPDM203NH Typical Drain Source On Resistance

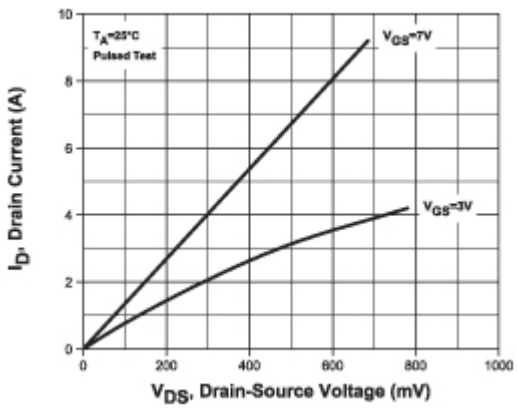


P-Channel

CMPDM202PH Typical Drain Source On Resistance



CMPDM202PH Typical Output Characteristics



Datasheet for CMPDM203NH:	View	**Datasheet for CMPDM202PH:**	View
Product Details for CMPDM203NH:	View	**Product Details for CMPDM202PH:**	View
Product Brief for CMPDM203NH :	View	**Product Brief for CMPDM202PH :**	View

Package Detail with Material Composition Data for the SOT-23F package: View

For more information contact
NAC at 866-651-2901 or www.nacsemi.com