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## 4V Drive Nch MOSFET

### RSD220N06

Inquiries concerning our products

Data Sheet	Design Model <b>SPICE</b>	
<a href="#">Reliability information</a>	<a href="#">Operation notes</a>	<a href="#">Condition of soldering</a>

[Print out](#)

[ Product description ]

Power MOSFETs are made as low ON-resistance devices by the micro-processing technologies useful for wide range of applications. Broad lineup covering compact types, high-power types and complex types to meet various needs in the market.

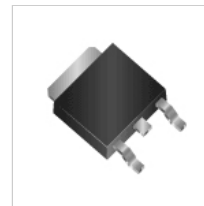
#### Features

E4V-drive type Nch Power MOSFET

#### Product specifications

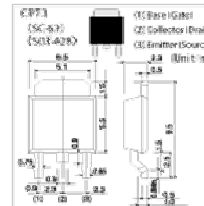
Absolute maximum ratings (Ta=25°C)		
Rated parameters	Standard value	Conditions
Drain-Source voltage $V_{DS}$ (V)	60	
Gate-Source voltage $V_{GS}$ (V)	20	
Drain current(continuous) $I_D$ (A)	±22	
Source current(body Di) $I_S$ (A)	16	
Total power dissipation $P_D$ (W)	20	
Channel temperature $T_{ch}$ (°C)	150	
Storage temperature $T_{stg}$ (°C)	-55 to +150	

#### Outline



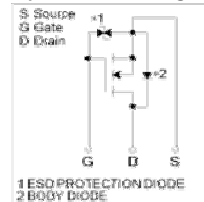
CPT3

#### Dimensions



\* Click to enlarge.

#### Equivalent circuit diagram



\*The contents described here are just outline for introduction.  
Please obtain the specification sheets from us for thorough check before use.

#### Status Product

Part No.	Package	Status *1	RoHS	Packing style	Package quantity	Samples *2	Sales
RSD220N06TL	CPT3/SC-63/SOT-428 @ROHM/JEDEC/JEITA	Active	Yes	taping	2500		<a href="#">Inquiry</a>

\*1 Active: Production or current type Preparation: Preliminary type Preview: Development type  
\*2 Display ranks are representative hFE rank. Please understand that selection of hFE rank is not possible.

#### Others

Please check the details on "[Product List](#)" for Others.

#### Transistors

**2010.07.21**  
The industry's highest efficiency MOSFETs for DC/DC power supplies: ECOMOS™

**2010.02.25**  
ROHM's ultra-low voltage drive MOSFETs - ECOMOS™ - enable driving from a control voltage of 0.9V

**2010.01.22**  
ROHM continues to offer its lineup of ultra-low voltage MOSFETs ECOMOS™ series

**2009.05.29**  
High speed trr High Voltage Resistance PrestoMOS™ Series

**2009.02.27**  
ROHM's new RC series of 250V MOSFETs

[Precautions for driving TRs safety](#)

[Knowledge required for the die temp. calculation](#)

[What is a transistor?](#)

Operation notes

Part No. explanation

Package

Taping specifications

Soldering conditions  
>Surface mounted type transistors  
>Leaded type transistors

Storage conditions

Explanation of symbols

FAQ

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RoHS directive compliance

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