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## 10V Drive Nch MOSFET

RCD040N25

Inquiries concerning our products

Data Sheet	Design Model
<a href="#">Reliability information</a>	<a href="#">Operation notes</a>
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[ 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.

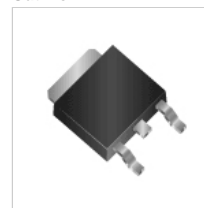
### Features

E10V-drive type Nch Power MOSFET

### Product specifications

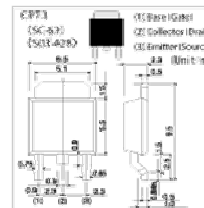
Absolute maximum ratings (Ta=25°C)		
Rated parameters	Standard value	Conditions
Drain-Source voltage V <sub>DSS</sub> (V)	250	
Gate-Source voltage V <sub>GSS</sub> (V)	±30	
Drain current (continuous) I <sub>D</sub> (A)	±4	Limited only by maximum temperature allowed
Source current (body Di) I <sub>S</sub> (A)	4	Limited only by maximum temperature allowed
Total power dissipation P <sub>D</sub> (W)	20	
Channel temperature Tch(°C)	150	
Storage temperature Tstg(°C)	-55 to +150	

### Outline



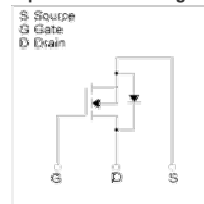
CPT3

### 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
RCD040N25TL	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?](#)

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