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## 4V Drive Nch MOSFET

RDR005N25

Inquiries concerning our products

Transistors

Data Sheet	Design Model <b>TH</b>
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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

- 4V-drive type Nch Middle-power MOSFET

### Product specifications

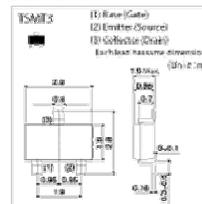
Absolute maximum ratings (Ta=25°C)		
Rated parameters	Standard value	Conditions
Drain-Source voltage $V_{DSS}(V)$	250	
Gate-Source voltage $V_{GSS}(V)$	$\pm 20$	
Drain current(continuous) $I_D(A)$	$\pm 0.5$	
Source current(body Di) $I_S(A)$	0.5	
Total power dissipation $P_D(W)$	1	Mounted on a ceramic board
Channel temperature $T_{ch}(^{\circ}C)$	150	
Storage temperature $T_{stg}(^{\circ}C)$	-55 to +150	

### Outline



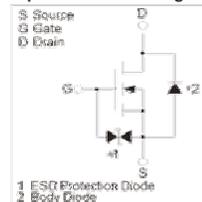
TSMT3

### 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
RDR005N25TL	TSMT3	Active	Yes	taping	3000		<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.

**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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