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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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<a href="#">Condition of soldering</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.

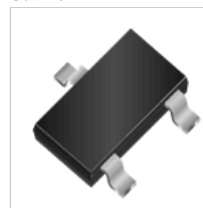
### Features

- 4V-drive type Nch Middle-power MOSFET

### Product specifications

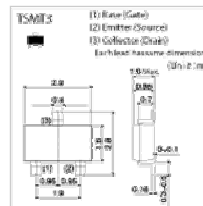
Absolute maximum ratings (Ta=25°C)		
Rated parameters	Standard value	Conditions
Drain-Source voltage $V_{DS}$ (V)	250	
Gate-Source voltage $V_{GS}$ (V)	±20	
Drain current(continuous) $I_D$ (A)	±0.5	
Source current(body Di) $I_S$ (A)	0.5	
Total power dissipation $P_D$ (W)	1	Mounted on a ceramic board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

### Outline



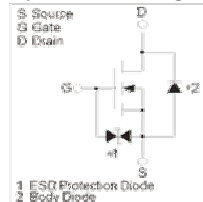
TSMT3

### 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](#)
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>Surface mounted type transistors  
>Leaded type transistors
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