



简体中文 | 繁體中文 | 한국어 | 日本語

Text Size A A

Site Search

Search

Site Map

HOME, Products > Discrete Semiconductors > Transistors > MOSFETs > RDR005N25

- ICs
- Discrete Semiconductors
- Transistors**
- MOSFETs
- Bipolar Transistors
- Digital Transistors
- Complex Transistors
- Diodes
- Opto Electronics
- Passive Components
- Modules (Sub Systems)

Energy Saving! **ECO Devices**
Product Information

4V Drive Nch MOSFET

RDR005N25

Inquiries concerning our products

Data Sheet	Design Model TH
Reliability information	Operation notes
Condition of soldering	

[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.

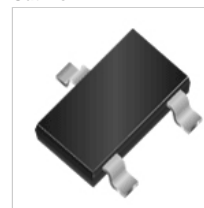
Features

- 4V-drive type Nch Middle-power MOSFET

Product specifications

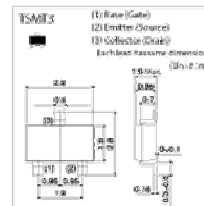
Absolute maximum ratings (Ta=25°C)		
Rated parameters	Standard value	Conditions
Drain-Source voltage V_{DS} (V)	250	
Gate-Source voltage V_{GS} (V)	±20	
Drain current(continuous) I_D (A)	±0.5	
Source current(body Di) I_S (A)	0.5	
Total power dissipation P_D (W)	1	Mounted on a ceramic board
Channel temperature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

Outline



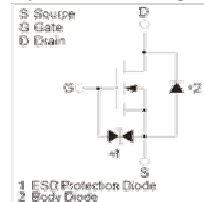
TSMT3

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		Inquiry

*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
- ROHM Internet Direct Shopping
- RoHS directive compliance
- Contact us

Top of Page

[Privacy Policy](#)

[Terms & Conditions](#)

Copyright © 1997-2010 ROHM Co., Ltd.