



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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4V Drive Nch MOSFET

RSY200N05

Inquiries concerning our products

Data Sheet	Design Model SPICE
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.

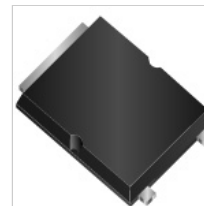
Features

E4V-drive type Nch Power MOSFET

Product specifications

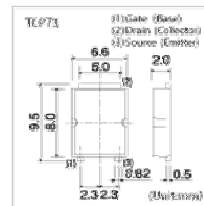
Absolute maximum ratings (Ta=25°C)		
Rated parameters	Standard value	Conditions
Drain-Source voltage $V_{DS}(V)$	45	
Gate-Source voltage $V_{GS}(V)$	± 20	
Drain current(continuous) $I_D(A)$	± 20	
Source current(body Di) $I_S(A)$	16	
Total power dissipation $P_D(W)$	20	
Channel temperature $T_{ch}(^{\circ}C)$	150	
Storage temperature $T_{stg}(^{\circ}C)$	-55 to +150	

Outline



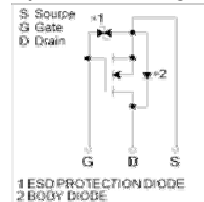
TCPT3

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
RSY200N05TL	TCPT3	Active	Yes	taping	2500		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

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RoHS directive compliance

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