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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.

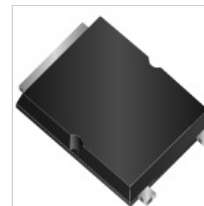
Features

E4V-drive type Nch Power MOSFET

Product specifications

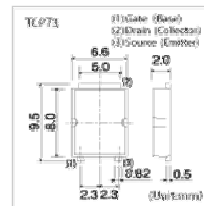
Absolute maximum ratings (Ta=25°C)		
Rated parameters	Standard value	Conditions
Drain-Source voltage $V_{DS}(V)$	45	
Gate-Source voltage $V_{GS}(V)$	± 20	
Drain current(continuous) $I_D(A)$	± 20	
Source current(body Di) $I_S(A)$	16	
Total power dissipation $P_D(W)$	20	
Channel temperature $T_{ch}(^{\circ}C)$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

Outline



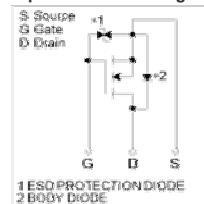
TCPT3

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?](#)

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