



RYE002N05TCL Information



For Reference Only

Part Number RYE002N05TCL
Manufacturer Rohm Semiconductor

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 50V 0.2A EMT3

Package SC-75, SOT-416

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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Certified Quality

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RYE002N05TCL Specifications

Manufacturer Part Number RYE002N05TCL Manufacturer Rohm Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SC-75, SOT-416 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 50V Current - Continuous Drain (Id) @ 25°C 200mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 0.9V, 4.5V Vgs(th) (Max) @ Id 800mV @ ImA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 26pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 150mW (Ta) Rds On (Max) @ Id, Vgs 2.2 Ohm @ 200mA, 4.5V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package EMT3 Package / Case SC-75, SOT-416		
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Package SC-75, SOT-416 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 50V Current - Continuous Drain (Id) @ 25°C 200mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 0.9V, 4.5V Vgs(th) (Max) @ Id 800mV @ ImA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 26pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 150mW (Ta) Rds On (Max) @ Id, Vgs 2.2 Ohm @ 200mA, 4.5V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package EMT3 Package / Case SC-75, SOT-416	Manufacturer	Rohm Semiconductor
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Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)50VCurrent - Continuous Drain (Id) @ 25°C200mA (Ta)Drive Voltage (Max Rds On, Min Rds On)0.9V, 4.5VVgs(th) (Max) @ Id800mV @ ImAGate Charge (Qg) (Max) @ Vgs-Input Capacitance (Ciss) (Max) @ Vds26pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)150mW (Ta)Rds On (Max) @ Id, Vgs2.2 Ohm @ 200mA, 4.5VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageEMT3Package / CaseSC-75, SOT-416		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 50V Current - Continuous Drain (Id) @ 25°C 200mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 0.9V, 4.5V Vgs(th) (Max) @ Id 800mV @ ImA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 26pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 150mW (Ta) Rds On (Max) @ Id, Vgs 2.2 Ohm @ 200mA, 4.5V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package EMT3 Package / Case SC-75, SOT-416	Package	SC-75, SOT-416
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Drain to Source Voltage (Vdss)50VCurrent - Continuous Drain (Id) @ 25°C200mA (Ta)Drive Voltage (Max Rds On, Min Rds On)0.9V, 4.5VVgs(th) (Max) @ Id800mV @ 1mAGate Charge (Qg) (Max) @ Vgs-Input Capacitance (Ciss) (Max) @ Vds26pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)150mW (Ta)Rds On (Max) @ Id, Vgs2.2 Ohm @ 200mA, 4.5VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageEMT3Package / CaseSC-75, SOT-416	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 200mA (Ta) Drive Voltage (Max Rds On, Min Rds On) 0.9V, 4.5V Vgs(th) (Max) @ Id 800mV @ 1mA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 26pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 150mW (Ta) Rds On (Max) @ Id, Vgs 2.2 Ohm @ 200mA, 4.5V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package EMT3 Package / Case SC-75, SOT-416	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 800mV @ 1mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case O 9.9V, 4.5V 800mV @ 1mA 800mV @ 1mA 26pF @ 10V 26pF @ 10V 27 26pF @ 10V 27 26pF @ 10V 27 27 27 28 28 28 29 20 20 20 20 20 20 20 20 20	Drain to Source Voltage (Vdss)	50V
Vgs(th) (Max) @ Id 800mV @ 1mA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 26pF @ 10V Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 150mW (Ta) Rds On (Max) @ Id, Vgs 2.2 Ohm @ 200mA, 4.5V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package EMT3 Package / Case SC-75, SOT-416	Current - Continuous Drain (Id) @ 25°C	200mA (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) EET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SC-75, SOT-416	Drive Voltage (Max Rds On, Min Rds On)	0.9V, 4.5V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package EMT3 Package / Case 26pF @ 10V 28V 26pF @ 10V 28V 28V	Vgs(th) (Max) @ Id	800mV @ 1mA
Vgs (Max)±8VFET Feature-Power Dissipation (Max)150mW (Ta)Rds On (Max) @ Id, Vgs2.2 Ohm @ 200mA, 4.5VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageEMT3Package / CaseSC-75, SOT-416	Gate Charge (Qg) (Max) @ Vgs	-
FET Feature - Testure - Te	Input Capacitance (Ciss) (Max) @ Vds	26pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package EMT3 Package / Case 150mW (Ta) 2.2 Ohm @ 200mA, 4.5V Surface Mount Surface Mount Surface Mount	Vgs (Max)	±8V
Rds On (Max) @ Id, Vgs2.2 Ohm @ 200mA, 4.5VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device PackageEMT3Package / CaseSC-75, SOT-416	FET Feature	-
Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package EMT3 Package / Case SC-75, SOT-416	Power Dissipation (Max)	150mW (Ta)
Mounting Type Surface Mount Supplier Device Package EMT3 Package / Case SC-75, SOT-416	Rds On (Max) @ Id, Vgs	2.2 Ohm @ 200mA, 4.5V
Supplier Device Package EMT3 Package / Case SC-75, SOT-416	Operating Temperature	150°C (TJ)
Package / Case SC-75, SOT-416	Mounting Type	Surface Mount
	Supplier Device Package	EMT3
Report errors?	Package / Case	SC-75, SOT-416
		Report errors?

RYE002N05TCL Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

RYE002N05TCL Payment Methods





















RYE002N05TCL Shipping Methods













If you have any question about RYE002N05TCL, please do not hesitate to contact us!

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