



### **RSS070P05FU6TB Information**



For Reference Only

Part Number RSS070P05FU6TB

Manufacturer Rohm Semiconductor

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description**MOSFET P-CH 45V 7A 8-SOIC**Package**8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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# RSS070P05FU6TB Specifications

Manufacturer Part Number         RSS070P05FU6TB           Manufacturer         Rohm Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         45V           Current - Continuous Drain (Id) @ 25°C         7A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4V, 10V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         47.6nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         4100pF @ 10V           Vgs (Max)         42W           FET Feature         -           Power Dissipation (Max)         2W (Ta)           Rds On (Max) @ Id, Vgs         27 mOhm @ 7A, 10V           Operating Temperature         -           Mounting Type         Surface Mount           Supplier Device Package         8-SOP           Package / Case         8-SOIC (0.154", 3.90mm Width)		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-SOIC (0.154", 3.90mm Width) Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 7A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 4100pF @ 10V Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 2W (Ta) Rds On (Max) @ Id, Vgs Surface Mount Supplier Device Package Package / Case PSOIC (0.154", 3.90mm Width)	Manufacturer Part Number	RSS070P05FU6TB
Package         8-SOIC (0.154", 3.90mm Width)           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         45V           Current - Continuous Drain (Id) @ 25°C         7A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4V, 10V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         47.6nC @ 5V           Input Capacitance (Ciss) (Max) @ Vds         4100pF @ 10V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         2W (Ta)           Rds On (Max) @ Id, Vgs         27 mOhm @ 7A, 10V           Operating Temperature         -           Mounting Type         Surface Mount           Supplier Device Package         8-SOP           Package / Case         8-SOIC (0.154", 3.90mm Width)	Manufacturer	Rohm Semiconductor
Package8-SOIC (0.154", 3.90mm Width)Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)45VCurrent - Continuous Drain (Id) @ 25°C7A (Ta)Drive Voltage (Max Rds On, Min Rds On)4V, 10VVgs(th) (Max) @ Id-Gate Charge (Qg) (Max) @ Vgs47.6nC @ 5VInput Capacitance (Ciss) (Max) @ Vds4100pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)2W (Ta)Rds On (Max) @ Id, Vgs27 mOhm @ 7A, 10VOperating Temperature-Mounting TypeSurface MountSupplier Device Package8-SOPPackage / Case8-SOIC (0.154", 3.90mm Width)	Category	Discrete Semiconductor Products
Series - Channel PET Type P-Channel MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 45V Current - Continuous Drain (Id) @ 25°C 7A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4V, 10V Vgs(th) (Max) @ Id - Change (Qg) (Max) @ Vgs 47.6nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4100pF @ 10V Vgs (Max) ±20V FET Feature - Change (Max) & 2W (Ta) Rds On (Max) @ Id, Vgs 27 mOhm @ 7A, 10V Operating Temperature - Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 45V Current - Continuous Drain (Id) @ 25°C 7A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4V, 10V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 47.6nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4100pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 2W (Ta) Rds On (Max) @ Id, Vgs 27 mOhm @ 7A, 10V Operating Temperature - Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Package	8-SOIC (0.154", 3.90mm Width)
Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 45V  Current - Continuous Drain (Id) @ 25°C 7A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 4V, 10V  Vgs(th) (Max) @ Id -  Gate Charge (Qg) (Max) @ Vgs 47.6nC @ 5V  Input Capacitance (Ciss) (Max) @ Vds 4100pF @ 10V  Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 2W (Ta)  Rds On (Max) @ Id, Vgs 27 mOhm @ 7A, 10V  Operating Temperature -  Mounting Type Surface Mount  Supplier Device Package 8-SOP  Package / Case 8-SOIC (0.154", 3.90mm Width)	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  7A (Ta)  Prive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  45V  7A (Ta)  7A (Ta)	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C 7A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 4V, 10V  Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 47.6nC @ 5V  Input Capacitance (Ciss) (Max) @ Vds 4100pF @ 10V  Vgs (Max) ±20V  FET Feature - Power Dissipation (Max) 2W (Ta)  Rds On (Max) @ Id, Vgs 27 mOhm @ 7A, 10V  Operating Temperature - Mounting Type Surface Mount  Supplier Device Package 8-SOP  Package / Case 8-SOIC (0.154", 3.90mm Width)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  2W (Ta)  Rds On (Max) @ Id, Vgs  27 mOhm @ 7A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  8-SOIC (0.154", 3.90mm Width)	Drain to Source Voltage (Vdss)	45V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 47.6nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4100pF @ 10V Vgs (Max)  FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 27 mOhm @ 7A, 10V Operating Temperature - Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	7A (Ta)
Gate Charge (Qg) (Max) @ Vgs 47.6nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4100pF @ 10V  Vgs (Max) ±20V  FET Feature - Power Dissipation (Max) 2W (Ta)  Rds On (Max) @ Id, Vgs 27 mOhm @ 7A, 10V  Operating Temperature -  Mounting Type Surface Mount  Supplier Device Package 8-SOP  Package / Case 8-SOIC (0.154", 3.90mm Width)	Drive Voltage (Max Rds On, Min Rds On)	4V, 10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  27 mOhm @ 7A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  8-SOIC (0.154", 3.90mm Width)	Vgs(th) (Max) @ Id	-
Vgs (Max)±20VFET Feature-Power Dissipation (Max)2W (Ta)Rds On (Max) @ Id, Vgs27 mOhm @ 7A, 10VOperating Temperature-Mounting TypeSurface MountSupplier Device Package8-SOPPackage / Case8-SOIC (0.154", 3.90mm Width)	Gate Charge (Qg) (Max) @ Vgs	47.6nC @ 5V
FET Feature - Power Dissipation (Max) 2W (Ta) Rds On (Max) @ Id, Vgs 27 mOhm @ 7A, 10V Operating Temperature - Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Input Capacitance (Ciss) (Max) @ Vds	4100pF @ 10V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  27 mOhm @ 7A, 10V  Operating Temperature  - Mounting Type  Surface Mount  Supplier Device Package  8-SOP  Package / Case  8-SOIC (0.154", 3.90mm Width)	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs 27 mOhm @ 7A, 10V  Operating Temperature -  Mounting Type Surface Mount  Supplier Device Package 8-SOP  Package / Case 8-SOIC (0.154", 3.90mm Width)	FET Feature	-
Operating Temperature Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Power Dissipation (Max)	2W (Ta)
Mounting Type Surface Mount Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Rds On (Max) @ Id, Vgs	27 mOhm @ 7A, 10V
Supplier Device Package 8-SOP Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	-
Package / Case 8-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	8-SOP
Report errors?	Package / Case	8-SOIC (0.154", 3.90mm Width)
		Report errors?

### RSS070P05FU6TB 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.

### RSS070P05FU6TB Payment Methods



















## RSS070P05FU6TB Shipping Methods













If you have any question about RSS070P05FU6TB, please do not hesitate to contact us!

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