



DMNH4005SPSQ-13 Information

Heisener.com

Part Number DMNH4005SPSQ-13
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET BVDSS: 31V 40V POWERDI506

Package 8-PowerTDFN

For the pricing/inventory/lead time, please contact

us

For Reference Only

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



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DMNH4005SPSQ-13 Specifications

Manufacturer Part NumberDMNH4005SPSQ-13ManufacturerDiodes IncorporatedCategoryDiscrete Semiconductor Products Transistors - FETs, MOSFETs - SinglePackage8-PowerTDFNSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C80A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3V @ 250µAGate Charge (Qg) (Max) @ Vgs48nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2847pF @ 20VVgs (Max)20VFET Feature-Power Dissipation (Max)2.8WRds On (Max) @ Id, Vgs4 mOhm @ 20A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerDI5060-8Package / Case8-PowerTDFN		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single 8-PowerTDFN Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 48nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2847pF @ 20V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature Surface Mount Supplier Device Package Package / Case 8-PowerTDFN	Manufacturer Part Number	DMNH4005SPSQ-13
Transistors - FETs, MOSFETs - Single Package 8-PowerTDFN Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C Prive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) 20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Amohm @ 20A, 10V Operating Temperature Surface Mount Supplier Device Package PowerDI5060-8 Rackage / Case	Manufacturer	Diodes Incorporated
Package 8-PowerTDFN Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 48nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2847pF @ 20V Vgs (Max) 20V FET Feature - Power Dissipation (Max) 2.8W Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 80A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs 48nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2847pF @ 20V Vgs (Max) 20V FET Feature - Power Dissipation (Max) 2.8W Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C80A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs48nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2847pF @ 20VVgs (Max)20VFET Feature-Power Dissipation (Max)2.8WRds On (Max) @ Id, Vgs4 mOhm @ 20A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerDI5060-8Package / Case8-PowerTDFN	Package	8-PowerTDFN
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 80A (Tc) 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 Operating Temperature Supplier Device Package Package / Case MOSFET (Metal Oxide) 40V 40V 80A (Tc) 80A	Series	-
Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C80A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs48nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2847pF @ 20VVgs (Max)20VFET Feature-Power Dissipation (Max)2.8WRds On (Max) @ Id, Vgs4 mOhm @ 20A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerDI5060-8Package / Case8-PowerTDFN	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) 2847pF @ 20V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature Supplier Device Package Package / Case 8-PowerTDFN	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 3V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) 2847pF @ 20V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Drain to Source Voltage (Vdss)	40V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case 3V @ 250μA 48nC @ 10V 2847pF @ 20V 284pp	Current - Continuous Drain (Id) @ 25°C	80A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 2847pF @ 20V Vgs (Max) 20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-PowerTDFN	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) 20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Vgs(th) (Max) @ Id	3V @ 250μA
Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-PowerTDFN	Gate Charge (Qg) (Max) @ Vgs	48nC @ 10V
FET Feature - Power Dissipation (Max) 2.8W Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Input Capacitance (Ciss) (Max) @ Vds	2847pF @ 20V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Vgs (Max)	20V
Rds On (Max) @ Id, Vgs4 mOhm @ 20A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerDI5060-8Package / Case8-PowerTDFN	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Power Dissipation (Max)	2.8W
Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Rds On (Max) @ Id, Vgs	4 mOhm @ 20A, 10V
Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case 8-PowerTDFN	Mounting Type	Surface Mount
	Supplier Device Package	PowerDI5060-8
Report errors?	Package / Case	8-PowerTDFN
		Report errors?

DMNH4005SPSQ-13 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.

DMNH4005SPSQ-13 Payment Methods



















DMNH4005SPSQ-13 Shipping Methods













If you have any question about DMNH4005SPSQ-13, please do not hesitate to contact us!

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