



DMP4015SPS-13 Information



For Reference Only

Part Number DMP4015SPS-13
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET P-CH 40V 8.5A POWERDI

Package 8-PowerTDFN

For the pricing/inventory/lead time, please contact

us

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



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DMP4015SPS-13 Specifications

Manufacturer Part NumberDMP4015SPS-13ManufacturerDiodes IncorporatedCategoryDiscrete Semiconductor Products Transistors - FETs, MOSFETs - SinglePackage8-PowerTDFNSeries-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C8.5A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs47.5nC @ 5VInput Capacitance (Ciss) (Max) @ Vds4234pF @ 20VVgs (Max)±25VFET Feature-Power Dissipation (Max)1.3W (Ta)Rds On (Max) @ Id, Vgs11 mOhm @ 9.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerDI5060-8Package / Case8-PowerTDFN		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single 8-PowerTDFN Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 8.5A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±25V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 9.8A, 10V Operating Temperature Surface Mount Surface Mount Supplier Device Package Package / Case	Manufacturer Part Number	DMP4015SPS-13
Package 8-PowerTDFN Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 8.5A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 47.5nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4234pF @ 20V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 1.3W (Ta) Rds On (Max) @ Id, Vgs 11 mOhm @ 9.8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Manufacturer	Diodes Incorporated
Package 8-PowerTDFN Series - FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 8.5A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 47.5nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4234pF @ 20V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 1.3W (Ta) Rds On (Max) @ Id, Vgs 11 mOhm @ 9.8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Category	Discrete Semiconductor Products
Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C8.5A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs47.5nC @ 5VInput Capacitance (Ciss) (Max) @ Vds4234pF @ 20VVgs (Max)±25VFET Feature-Power Dissipation (Max)1.3W (Ta)Rds On (Max) @ Id, Vgs11 mOhm @ 9.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerDI5060-8Package / Case8-PowerTDFN		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 8.5A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 47.5nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 4234pF @ 20V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 1.3W (Ta) Rds On (Max) @ Id, Vgs 11 mOhm @ 9.8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Power DI5060-8 Package / Case 8-Power TDFN	Package	8-PowerTDFN
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 8.5A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature June Charge (Qg) (Max) @ Vds Lagrange (Vds) La	Series	-
Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C8.5A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs47.5nC @ 5VInput Capacitance (Ciss) (Max) @ Vds4234pF @ 20VVgs (Max)±25VFET Feature-Power Dissipation (Max)1.3W (Ta)Rds On (Max) @ Id, Vgs11 mOhm @ 9.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerDI5060-8Package / Case8-PowerTDFN	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C B.5A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 9.8A, 10V Operating Temperature Supplier Device Package Package / Case 8-Power TDFN	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 9.8A, 10V Operating Temperature Surplier Device Package Package / Case 4.5V, 10V	Drain to Source Voltage (Vdss)	40V
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 11 mOhm @ 9.8A, 10V Operating Temperature Supplier Device Package Package / Case 8-PowerTDFN	Current - Continuous Drain (Id) @ 25°C	8.5A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 4234pF @ 20V Vgs (Max) ±25V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 9.8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-PowerTDFN	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds 4234pF @ 20V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 1.3W (Ta) Rds On (Max) @ Id, Vgs 11 mOhm @ 9.8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Vgs(th) (Max) @ Id	2.5V @ 250μA
Vgs (Max)±25VFET Feature-Power Dissipation (Max)1.3W (Ta)Rds On (Max) @ Id, Vgs11 mOhm @ 9.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerDI5060-8Package / Case8-PowerTDFN	Gate Charge (Qg) (Max) @ Vgs	47.5nC @ 5V
FET Feature - Power Dissipation (Max) 1.3W (Ta) Rds On (Max) @ Id, Vgs 11 mOhm @ 9.8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Input Capacitance (Ciss) (Max) @ Vds	4234pF @ 20V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 11 mOhm @ 9.8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Vgs (Max)	±25V
Rds On (Max) @ Id, Vgs11 mOhm @ 9.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerDI5060-8Package / Case8-PowerTDFN	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Power Dissipation (Max)	1.3W (Ta)
Mounting Type Surface Mount Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Rds On (Max) @ Id, Vgs	11 mOhm @ 9.8A, 10V
Supplier Device Package PowerDI5060-8 Package / Case 8-PowerTDFN	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-PowerTDFN	Mounting Type	Surface Mount
-	Supplier Device Package	PowerDI5060-8
Report errors?	Package / Case	8-PowerTDFN
		Report errors?

DMP4015SPS-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.

DMP4015SPS-13 Payment Methods



















DMP4015SPS-13 Shipping Methods













If you have any question about DMP4015SPS-13, please do not hesitate to contact us!

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