



DMS2085LSD-13 Information



For Reference Only

Part Number DMS2085LSD-13
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

DescriptionMOSFET P-CH 20V 3.3APackage8-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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DMS2085LSD-13 Specifications

Manufacturer Part Number DMS2085LSD-13 Manufacturer Diodes Incorporated 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) 20V Current - Continuous Drain (Id) @ 25°C 3.3A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 7.8nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 353pF @ 15V Vgs (Max) ±20V FET Feature Schottky Diode (Isolated) Power Dissipation (Max) 1.1W (Ta) Rds On (Max) @ Id, Vgs 85 mOhm @ 3.05A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)		
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FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C3.3A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.2V @ 250μAGate Charge (Qg) (Max) @ Vgs7.8nC @ 10VInput Capacitance (Ciss) (Max) @ Vds353pF @ 15VVgs (Max)±20VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)1.1W (Ta)Rds On (Max) @ Id, Vgs85 mOhm @ 3.05A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Package	8-SOIC (0.154", 3.90mm Width)
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 3.3A (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) FET Feature Schottky Diode (Isolated) Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 20V 3.3A (Ta) 3.3A (Ta) 4.5V, 10V 2.2V @ 250µA 7.8nC @ 10V 353pF @ 15V 420V 5thouthy Diode (Isolated) 1.1W (Ta) 85 mOhm @ 3.05A, 10V Operating Temperature -55°C ~ 150°C (TJ) Surface Mount Supplier Device Package 8-SO 8-SOIC (0.154", 3.90mm Width)	Series	-
Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C3.3A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.2V @ 250μAGate Charge (Qg) (Max) @ Vgs7.8nC @ 10VInput Capacitance (Ciss) (Max) @ Vds353pF @ 15VVgs (Max)±20VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)1.1W (Ta)Rds On (Max) @ Id, Vgs85 mOhm @ 3.05A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs 7.8nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature Schottky Diode (Isolated) Power Dissipation (Max) Rds On (Max) @ Id, Vgs 85 mOhm @ 3.05A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.2V @ 250μAGate Charge (Qg) (Max) @ Vgs7.8nC @ 10VInput Capacitance (Ciss) (Max) @ Vds353pF @ 15VVgs (Max)±20VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)1.1W (Ta)Rds On (Max) @ Id, Vgs85 mOhm @ 3.05A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Drain to Source Voltage (Vdss)	20V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 7.8nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Schottky Diode (Isolated) Power Dissipation (Max) Rds On (Max) @ Id, Vgs 85 mOhm @ 3.05A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	3.3A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Schottky Diode (Isolated) Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case 7.8nC @ 10V 7.8nC @ 10V 7.8nC @ 10V 7.8nC @ 10V 353pF @ 15V **Equation (Isolated) 1.1W (Ta) 8.5nOhm @ 3.05A, 10V -55°C ~ 150°C (TJ) Surface Mount 8-SO 8-SOIC (0.154", 3.90mm Width)	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Schottky Diode (Isolated) Power Dissipation (Max) Rds On (Max) @ Id, Vgs 85 mOhm @ 3.05A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Vgs(th) (Max) @ Id	2.2V @ 250μA
Vgs (Max)±20VFET FeatureSchottky Diode (Isolated)Power Dissipation (Max)1.1W (Ta)Rds On (Max) @ Id, Vgs85 mOhm @ 3.05A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Gate Charge (Qg) (Max) @ Vgs	7.8nC @ 10V
FET Feature Schottky Diode (Isolated) Power Dissipation (Max) 1.1W (Ta) Rds On (Max) @ Id, Vgs 85 mOhm @ 3.05A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Input Capacitance (Ciss) (Max) @ Vds	353pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 85 mOhm @ 3.05A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs85 mOhm @ 3.05A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Feature	Schottky Diode (Isolated)
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Power Dissipation (Max)	1.1W (Ta)
Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Rds On (Max) @ Id, Vgs	85 mOhm @ 3.05A, 10V
Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	8-SO
Report errors?	Package / Case	8-SOIC (0.154", 3.90mm Width)
		Report errors?

DMS2085LSD-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.

DMS2085LSD-13 Payment Methods



















DMS2085LSD-13 Shipping Methods













If you have any question about DMS2085LSD-13, please do not hesitate to contact us!

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