



### **DMS3015SSS-13 Information**



For Reference Only

Part Number DMS3015SSS-13
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 30V 11A 8SO

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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# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# **DMS3015SSS-13 Specifications**

Manufacturer Part Number         DMS3015SSS-13           Manufacturer         Diodes Incorporated           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         11A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         30.6nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1276pF @ 15V           Vgs (Max)         ±12V           FET Feature         Schottky Diode (Body)           Power Dissipation (Max)         1.55W (Ta)           Rds On (Max) @ Id, Vgs         11.9 mOhm @ 11A, 10V		
Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         11A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         30.6nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1276pF @ 15V           Vgs (Max)         ±12V           FET Feature         Schottky Diode (Body)           Power Dissipation (Max)         1.55W (Ta)	Manufacturer Part Number	DMS3015SSS-13
Transistors - FETs, MOSFETs - Single         Package       8-SOIC (0.154", 3.90mm Width)         Series       -         FET Type       N-Channel         Technology       MOSFET (Metal Oxide)         Drain to Source Voltage (Vdss)       30V         Current - Continuous Drain (Id) @ 25°C       11A (Ta)         Drive Voltage (Max Rds On, Min Rds On)       4.5V, 10V         Vgs(th) (Max) @ Id       2.5V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       30.6nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       1276pF @ 15V         Vgs (Max)       ±12V         FET Feature       Schottky Diode (Body)         Power Dissipation (Max)       1.55W (Ta)	Manufacturer	Diodes Incorporated
Package 8-SOIC (0.154", 3.90mm Width)  Series - FET Type N-Channel Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 30V  Current - Continuous Drain (Id) @ 25°C 11A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V  Vgs(th) (Max) @ Id 2.5V @ 250µA  Gate Charge (Qg) (Max) @ Vgs 30.6nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 1276pF @ 15V  Vgs (Max) ±12V  FET Feature Schottky Diode (Body)  Power Dissipation (Max) 1.55W (Ta)	Category	Discrete Semiconductor Products
Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         11A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         30.6nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1276pF @ 15V           Vgs (Max)         ±12V           FET Feature         Schottky Diode (Body)           Power Dissipation (Max)         1.55W (Ta)		Transistors - FETs, MOSFETs - Single
FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  11A (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  Schottky Diode (Body)  Power Dissipation (Max)  N-Channel  114 (Ta)  115 (Ta)	Package	8-SOIC (0.154", 3.90mm Width)
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C11A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs30.6nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1276pF @ 15VVgs (Max)±12VFET FeatureSchottky Diode (Body)Power Dissipation (Max)1.55W (Ta)	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  11A (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  Schottky Diode (Body)  Power Dissipation (Max)  30V  11A (Ta)  2.5V @ 250μA  30.6nC @ 10V  1276pF @ 15V  4.5V, 10V  50.5V @ 250μA  50.6nC @ 10V  1276pF @ 15V  1276pF @ 15V  1270pF @ 15V	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 11A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V  Vgs(th) (Max) @ Id 2.5V @ 250µA  Gate Charge (Qg) (Max) @ Vgs 30.6nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 1276pF @ 15V  Vgs (Max) ±12V  FET Feature Schottky Diode (Body)  Power Dissipation (Max) 1.55W (Ta)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)       4.5V, 10V         Vgs(th) (Max) @ Id       2.5V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       30.6nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       1276pF @ 15V         Vgs (Max)       ±12V         FET Feature       Schottky Diode (Body)         Power Dissipation (Max)       1.55W (Ta)	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id       2.5V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       30.6nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       1276pF @ 15V         Vgs (Max)       ±12V         FET Feature       Schottky Diode (Body)         Power Dissipation (Max)       1.55W (Ta)	Current - Continuous Drain (Id) @ 25°C	11A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Schottky Diode (Body)  Power Dissipation (Max)  30.6nC @ 10V  1276pF @ 15V  ±12V  FET Feature  Schottky Diode (Body)  1.55W (Ta)	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ET Feature  Schottky Diode (Body)  Power Dissipation (Max)  1.55W (Ta)	Vgs(th) (Max) @ Id	2.5V @ 250μA
Vgs (Max)±12VFET FeatureSchottky Diode (Body)Power Dissipation (Max)1.55W (Ta)	Gate Charge (Qg) (Max) @ Vgs	30.6nC @ 10V
FET Feature Schottky Diode (Body) Power Dissipation (Max) 1.55W (Ta)	Input Capacitance (Ciss) (Max) @ Vds	1276pF @ 15V
Power Dissipation (Max)  1.55W (Ta)	Vgs (Max)	±12V
-	FET Feature	Schottky Diode (Body)
Rds On (Max) @ Id, Vgs 11.9 mOhm @ 11A, 10V	Power Dissipation (Max)	1.55W (Ta)
	Rds On (Max) @ Id, Vgs	11.9 mOhm @ 11A, 10V
Operating Temperature $-55^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$	Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type Surface Mount	Mounting Type	Surface Mount
Supplier Device Package 8-SO	Supplier Device Package	8-SO
Package / Case 8-SOIC (0.154", 3.90mm Width)	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?		Report errors?

#### **DMS3015SSS-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.

### **DMS3015SSS-13 Payment Methods**



















### **DMS3015SSS-13 Shipping Methods**













If you have any question about DMS3015SSS-13, please do not hesitate to contact us!

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