



#### **DMT6005LSS-13 Information**



For Reference Only

Part Number DMT6005LSS-13
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single MOSFET N-CHA 60V 13.5A SO8

**Description** MOSFET N-CHA 60V 13.5A SO8 **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.









# **DMT6005LSS-13 Specifications**

Manufacturer Part Number         DMT6005LSS-13           Manufacturer         Diodes Incorporated           Category         Discrete Semiconductor Products		
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)         60V           Current - Continuous Drain (Id) @ 25°C         13.5A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         3V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         47.1nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2962pF @ 30V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         1.3W (Ta)           Rds On (Max) @ Id, Vgs         6 mOhm @ 20A, 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)	Manufacturer Part Number	DMT6005LSS-13
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C13.5A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs47.1nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2962pF @ 30VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.3W (Ta)Rds On (Max) @ Id, Vgs6 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	Series	-
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Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  Ygs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  6 mOhm @ 20A, 10V  Operating Temperature  Supplier Device Package  Package / Case  13.5A (Ta)  14.5V, 10V  2962pF @ 30V  2962pF	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs47.1nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2962pF @ 30VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.3W (Ta)Rds On (Max) @ Id, Vgs6 mOhm @ 20A, 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)	60V
$Vgs(th) (Max) @ Id \\ Gate Charge (Qg) (Max) @ Vgs \\ 47.1nC @ 10V \\ Input Capacitance (Ciss) (Max) @ Vds \\ 2962pF @ 30V \\ +20V \\ FET Feature \\ - \\ Power Dissipation (Max) \\ Rds On (Max) @ Id, Vgs \\ Operating Temperature \\ -55°C ~ 150°C (TJ) \\ Mounting Type \\ Surface Mount \\ Supplier Device Package \\ Package / Case \\ 8-SOIC (0.154", 3.90mm Width)$	Current - Continuous Drain (Id) @ 25°C	13.5A (Ta)
Gate Charge (Qg) (Max) @ Vgs 47.1nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 2962pF @ 30V  Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 1.3W (Ta)  Rds On (Max) @ Id, Vgs 6 mOhm @ 20A, 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)	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  6 mOhm @ 20A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  8-SOIC (0.154", 3.90mm Width)	Vgs(th) (Max) @ Id	3V @ 250μA
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Rds On (Max) @ Id, Vgs6 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOPackage / Case8-SOIC (0.154", 3.90mm Width)	FET Feature	-
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)	1.3W (Ta)
Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Rds On (Max) @ Id, Vgs	6 mOhm @ 20A, 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?

#### **DMT6005LSS-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.

### **DMT6005LSS-13 Payment Methods**



















## **DMT6005LSS-13 Shipping Methods**













If you have any question about DMT6005LSS-13, please do not hesitate to contact us!

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