



## **DMT6010LSS-13 Information**



For Reference Only

Part Number DMT6010LSS-13
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET BVDSS: 41V 60V SO-8 T&R 2

**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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# **DMT6010LSS-13 Specifications**

Manufacturer Part Number         DMT6010LSS-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)         60V           Current - Continuous Drain (Id) @ 25°C         14A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         41.3nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2090pF @ 30V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         1.5W (Ta)           Rds On (Max) @ Id, Vgs         8 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)		
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C14A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs41.3nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2090pF @ 30VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.5W (Ta)Rds On (Max) @ Id, Vgs8 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  Current - Continuous Drain (Id) @ 25°C  4.5V, 10V  2V @ 250µA  Gate Charge (Qg) (Max) @ Vgs  41.3nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  2090pF @ 30V  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  8 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)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs41.3nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2090pF @ 30VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.5W (Ta)Rds On (Max) @ Id, Vgs8 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	Current - Continuous Drain (Id) @ 25°C	14A (Ta)
Gate Charge (Qg) (Max) @ Vgs 41.3nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 2090pF @ 30V  Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 1.5W (Ta)  Rds On (Max) @ Id, Vgs 8 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  8 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	2V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.5W (Ta)Rds On (Max) @ Id, Vgs8 mOhm @ 20A, 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	41.3nC @ 10V
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Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  8 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)	Vgs (Max)	±20V
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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)	1.5W (Ta)
Mounting Type Surface Mount Supplier Device Package 8-SO Package / Case 8-SOIC (0.154", 3.90mm Width)	Rds On (Max) @ Id, Vgs	8 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?

#### **DMT6010LSS-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.

## **DMT6010LSS-13 Payment Methods**



















## **DMT6010LSS-13 Shipping Methods**













If you have any question about DMT6010LSS-13, please do not hesitate to contact us!

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