



### **DMP2305UVT-7 Information**



For Reference Only

Part Number DMP2305UVT-7
Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET P-CH 20V 4.23A TSOT26

Package SOT-23-6 Thin, TSOT-23-6

For the pricing/inventory/lead time, please contact

us

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



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## **DMP2305UVT-7 Specifications**

Manufacturer Part Number         DMP2305UVT-7           Manufacturer         Diodes Incorporated           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         SOT-23-6 Thin, TSOT-23-6           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         20V           Current - Continuous Drain (Id) @ 25°C         4.23A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.8V, 4.5V           Vgs(th) (Max) @ Id         900mV @ 250μA           Gate Charge (Qg) (Max) @ Vgs         7.6nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         727pF @ 20V           Vgs (Max)         ±8V           FET Feature         -           Power Dissipation (Max)         1.25W (Ta)           Rds On (Max) @ Id, Vgs         60 mOhm @ 4.2A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TSOT-26           Package / Case         SOT-23-6 Thin, TSOT-23-6		
CategoryDiscrete Semiconductor ProductsFackageSOT-23-6 Thin, TSOT-23-6Series-FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C4.23A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id900mV @ 250μAGate Charge (Qg) (Max) @ Vgs7.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds727pF @ 20VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.25W (Ta)Rds On (Max) @ Id, Vgs60 mOhm @ 4.2A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTSOT-26Package / CaseSOT-23-6 Thin, TSOT-23-6	Manufacturer Part Number	DMP2305UVT-7
Package         SOT-23-6 Thin, TSOT-23-6           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         20V           Current - Continuous Drain (Id) @ 25°C         4.23A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.8V, 4.5V           Vgs(th) (Max) @ Id         900mV @ 250μA           Gate Charge (Qg) (Max) @ Vgs         7.6nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         727pF @ 20V           Vgs (Max)         ±8V           FET Feature         -           Power Dissipation (Max)         1.25W (Ta)           Rds On (Max) @ Id, Vgs         60 mOhm @ 4.2A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TSOT-26           Package / Case         SOT-23-6 Thin, TSOT-23-6	Manufacturer	Diodes Incorporated
Package         SOT-23-6 Thin, TSOT-23-6           Series         -           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         20V           Current - Continuous Drain (Id) @ 25°C         4.23A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.8V, 4.5V           Vgs(th) (Max) @ Id         900mV @ 250μA           Gate Charge (Qg) (Max) @ Vgs         7.6nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         727pF @ 20V           Vgs (Max)         ±8V           FET Feature         -           Power Dissipation (Max)         1.25W (Ta)           Rds On (Max) @ Id, Vgs         60 mOhm @ 4.2A, 4.5V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TSOT-26           Package / Case         SOT-23-6 Thin, TSOT-23-6	Category	Discrete Semiconductor Products
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FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C4.23A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id900mV @ 250μAGate Charge (Qg) (Max) @ Vgs7.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds727pF @ 20VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.25W (Ta)Rds On (Max) @ Id, Vgs60 mOhm @ 4.2A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTSOT-26Package / CaseSOT-23-6 Thin, TSOT-23-6	Package	SOT-23-6 Thin, TSOT-23-6
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C4.23A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id900mV @ 250μAGate Charge (Qg) (Max) @ Vgs7.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds727pF @ 20VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.25W (Ta)Rds On (Max) @ Id, Vgs60 mOhm @ 4.2A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTSOT-26Package / CaseSOT-23-6 Thin, TSOT-23-6	Series	-
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Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  1.8V, 4.5V  Vgs(th) (Max) @ Id  900mV @ 250μA  Gate Charge (Qg) (Max) @ Vgs  7.6nC @ 4.5V  Input Capacitance (Ciss) (Max) @ Vds  727pF @ 20V  Vgs (Max)  ±8V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  60 mOhm @ 4.2A, 4.5V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  SOT-23-6 Thin, TSOT-23-6	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id900mV @ 250μAGate Charge (Qg) (Max) @ Vgs7.6nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds727pF @ 20VVgs (Max)±8VFET Feature-Power Dissipation (Max)1.25W (Ta)Rds On (Max) @ Id, Vgs60 mOhm @ 4.2A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTSOT-26Package / CaseSOT-23-6 Thin, TSOT-23-6	Drain to Source Voltage (Vdss)	20V
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Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  727pF @ 20V  Vgs (Max)  ±8V  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  7.6nC @ 4.5V  727pF @ 20V  1.25W (Ta)  60 mOhm @ 4.2A, 4.5V  7.6nC @ 4.5V  7.6nC @ 4.5V  727pF @ 20V  28V  ENV  Surface Mount  Surface Mount  Supplier Device Package  SOT-23-6 Thin, TSOT-23-6	Drive Voltage (Max Rds On, Min Rds On)	1.8V, 4.5V
Input Capacitance (Ciss) (Max) @ Vds  727pF @ 20V  Vgs (Max)  ±8V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  60 mOhm @ 4.2A, 4.5V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TSOT-26  Package / Case  SOT-23-6 Thin, TSOT-23-6	Vgs(th) (Max) @ Id	900mV @ 250μA
Vgs (Max)±8VFET Feature-Power Dissipation (Max)1.25W (Ta)Rds On (Max) @ Id, Vgs60 mOhm @ 4.2A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTSOT-26Package / CaseSOT-23-6 Thin, TSOT-23-6	Gate Charge (Qg) (Max) @ Vgs	7.6nC @ 4.5V
FET Feature - Power Dissipation (Max) 1.25W (Ta) Rds On (Max) @ Id, Vgs 60 mOhm @ 4.2A, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TSOT-26 Package / Case SOT-23-6 Thin, TSOT-23-6	Input Capacitance (Ciss) (Max) @ Vds	727pF @ 20V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  60 mOhm @ 4.2A, 4.5V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TSOT-26  Package / Case  SOT-23-6 Thin, TSOT-23-6	Vgs (Max)	±8V
Rds On (Max) @ Id, Vgs60 mOhm @ 4.2A, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTSOT-26Package / CaseSOT-23-6 Thin, TSOT-23-6	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TSOT-26  Package / Case  SOT-23-6 Thin, TSOT-23-6	Power Dissipation (Max)	1.25W (Ta)
Mounting Type Surface Mount Supplier Device Package TSOT-26 Package / Case SOT-23-6 Thin, TSOT-23-6	Rds On (Max) @ Id, Vgs	60 mOhm @ 4.2A, 4.5V
Supplier Device Package TSOT-26 Package / Case SOT-23-6 Thin, TSOT-23-6	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case SOT-23-6 Thin, TSOT-23-6	Mounting Type	Surface Mount
	Supplier Device Package	TSOT-26
Report errors?	Package / Case	SOT-23-6 Thin, TSOT-23-6
		Report errors?

#### **DMP2305UVT-7 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.

# **DMP2305UVT-7 Payment Methods**



















### **DMP2305UVT-7 Shipping Methods**













If you have any question about DMP2305UVT-7, please do not hesitate to contact us!

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