



## FDB0260N1007L Information



For Reference Only

Part Number FDB0260N1007L

ManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor Products<br/>Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 100V 200A D2PAK

Package TO-263-7, D2Pak (6 Leads + Tab), TO-263CB

For the pricing/inventory/lead time, please contact

us

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



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# FDB0260N1007L Specifications

Manufacturer Part Number         FDB0260N1007L           Manufacturer         Fairchild/ON Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-263-7, D2Pak (6 Leads + Tab), TO-263CB           Series         PowerTrench?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         200A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         118nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         8545pF @ 50V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         3.8W (Ta), 250W (Tc)           Rds On (Max) @ Id, Vgs         2.6 mOhm @ 27A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D2PAK (7-Lead)           Package / Case         TO-263-7, D2Pak (6 Leads + Tab), TO-263CB		
CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-263-7, D2Pak (6 Leads + Tab), TO-263CBSeriesPowerTrench?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C200A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250µAGate Charge (Qg) (Max) @ Vgs118nC @ 10VInput Capacitance (Ciss) (Max) @ Vds8545pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.8W (Ta), 250W (Tc)Rds On (Max) @ Id, Vgs2.6 mOhm @ 27A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (7-Lead)Package / CaseTO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Manufacturer Part Number	FDB0260N1007L
Fackage         TO-263-7, D2Pak (6 Leads + Tab), TO-263CB           Series         PowerTrench?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         200A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         118nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         8545pF @ 50V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         3.8W (Ta), 250W (Tc)           Rds On (Max) @ Id, Vgs         2.6 mOhm @ 27A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D2PAK (7-Lead)           Package / Case         TO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Manufacturer	Fairchild/ON Semiconductor
PackageTO-263-7, D2Pak (6 Leads + Tab), TO-263CBSeriesPowerTrench?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C200A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs118nC @ 10VInput Capacitance (Ciss) (Max) @ Vds8545pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.8W (Ta), 250W (Tc)Rds On (Max) @ Id, Vgs2.6 mOhm @ 27A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (7-Lead)Package / CaseTO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Category	Discrete Semiconductor Products
Series         PowerTrench?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         200A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         118nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         8545pF @ 50V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         3.8W (Ta), 250W (Tc)           Rds On (Max) @ Id, Vgs         2.6 mOhm @ 27A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D2PAK (7-Lead)           Package / Case         TO-263-T, D2Pak (6 Leads + Tab), TO-263CB		Transistors - FETs, MOSFETs - Single
FET Type  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  100V  Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  118nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  2.6 mOhm @ 27A, 10V  Operating Temperature  Supplier Device Package  D2PAK (7-Lead)  Package / Case  N-Channel  NOSFET (Metal Oxide)  100V  200A (Tc)	Package	TO-263-7, D2Pak (6 Leads + Tab), TO-263CB
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C200A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs118nC @ 10VInput Capacitance (Ciss) (Max) @ Vds8545pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.8W (Ta), 250W (Tc)Rds On (Max) @ Id, Vgs2.6 mOhm @ 27A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (7-Lead)Package / CaseTO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Series	PowerTrench?
Drain to Source Voltage (Vdss)100 VCurrent - Continuous Drain (Id) @ 25°C200A (Tc)Drive Voltage (Max Rds On, Min Rds On)10 VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs118nC @ 10 VInput Capacitance (Ciss) (Max) @ Vds8545pF @ 50 VVgs (Max)±20 VFET Feature-Power Dissipation (Max)3.8W (Ta), 250W (Tc)Rds On (Max) @ Id, Vgs2.6 mOhm @ 27A, 10 VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (7-Lead)Package / CaseTO-263-7, D2Pak (6 Leads + Tab), TO-263CB	FET Type	N-Channel
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)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Surplier Device Package  Package / Case  200A (Tc)  200	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs118nC @ 10VInput Capacitance (Ciss) (Max) @ Vds8545pF @ 50VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.8W (Ta), 250W (Tc)Rds On (Max) @ Id, Vgs2.6 mOhm @ 27A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (7-Lead)Package / CaseTO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Supplier Device Package  Package / Case  4V @ 250μA  4V @ 250μA  118nC @ 10V  8545pF @ 50V  420V  FET Feature  -  -  -  -  Sufface Mount  Surface Mount  TO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Current - Continuous Drain (Id) @ 25°C	200A (Tc)
Gate Charge (Qg) (Max) @ Vgs       118nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       8545pF @ 50V         Vgs (Max)       ±20V         FET Feature       -         Power Dissipation (Max)       3.8W (Ta), 250W (Tc)         Rds On (Max) @ Id, Vgs       2.6 mOhm @ 27A, 10V         Operating Temperature       -55°C ~ 175°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       D2PAK (7-Lead)         Package / Case       TO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  2.6 mOhm @ 27A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK (7-Lead)  Package / Case  TO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)3.8W (Ta), 250W (Tc)Rds On (Max) @ Id, Vgs2.6 mOhm @ 27A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (7-Lead)Package / CaseTO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Gate Charge (Qg) (Max) @ Vgs	118nC @ 10V
FET Feature -  Power Dissipation (Max) 3.8W (Ta), 250W (Tc) Rds On (Max) @ Id, Vgs 2.6 mOhm @ 27A, 10V  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Surface Mount  Supplier Device Package D2PAK (7-Lead)  Package / Case TO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Input Capacitance (Ciss) (Max) @ Vds	8545pF @ 50V
Power Dissipation (Max)  3.8W (Ta), 250W (Tc)  2.6 mOhm @ 27A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK (7-Lead)  Package / Case  TO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs2.6 mOhm @ 27A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD2PAK (7-Lead)Package / CaseTO-263-7, D2Pak (6 Leads + Tab), TO-263CB	FET Feature	-
Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D2PAK (7-Lead)  Package / Case  TO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Power Dissipation (Max)	3.8W (Ta), 250W (Tc)
Mounting Type Surface Mount Supplier Device Package D2PAK (7-Lead) Package / Case TO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Rds On (Max) @ Id, Vgs	2.6 mOhm @ 27A, 10V
Supplier Device Package  D2PAK (7-Lead)  Package / Case  TO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-263-7, D2Pak (6 Leads + Tab), TO-263CB	Mounting Type	Surface Mount
	Supplier Device Package	D2PAK (7-Lead)
Report errors?	Package / Case	TO-263-7, D2Pak (6 Leads + Tab), TO-263CB
		Report errors?

#### FDB0260N1007L 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.

### FDB0260N1007L Payment Methods



















## FDB0260N1007L Shipping Methods













If you have any question about FDB0260N1007L, please do not hesitate to contact us!

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