

FDD9410L_F085 Information

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Part Number FDD9410L_F085

ManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - Single

Description PT8N 40V N-CHANNEL LL POWERTRENC

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

For Reference Only

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



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FDD9410L_F085 Specifications

Manufacturer Part Number FDD9410L_F085 Manufacturer Fairchild/ON Semiconductor Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 50A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 3V @ 250µA Gate Charge (Qg) (Max) @ Vgs 43nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1960pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 75W (Tc) Rds On (Max) @ Id, Vgs 4.2 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252, (D-Pak) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63		
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FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C50A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs43nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1960pF @ 20VVgs (Max)±20VFET Feature-Power Dissipation (Max)75W (Tc)Rds On (Max) @ Id, Vgs4.2 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C50A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs43nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1960pF @ 20VVgs (Max)±20VFET Feature-Power Dissipation (Max)75W (Tc)Rds On (Max) @ Id, Vgs4.2 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Series	-
Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C50A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs43nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1960pF @ 20VVgs (Max)±20VFET Feature-Power Dissipation (Max)75W (Tc)Rds On (Max) @ Id, Vgs4.2 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	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 4.2 mOhm @ 50A, 10V Operating Temperature Surface Mount Supplier Device Package TO-252, (D-Pak) Package / Case 50A (Tc) 50A (Tc) 50A (Tc) 50A (Tc) 50A (Tc) 10V 3V @ 250μA 43nC @ 10V 1960pF @ 20V 42nOh 55°C ~ 175°C (TJ) Surface Mount TO-252, (D-Pak) TO-252-3, DPak (2 Leads + Tab), SC-63	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3V @ 250μAGate Charge (Qg) (Max) @ Vgs43nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1960pF @ 20VVgs (Max)±20VFET Feature-Power Dissipation (Max)75W (Tc)Rds On (Max) @ Id, Vgs4.2 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	40V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) And Temperature - Toperating Temperature Supplier Device Package Toperating Tope Toperating Toperating Toperatin	Current - Continuous Drain (Id) @ 25°C	50A (Tc)
Gate Charge (Qg) (Max) @ Vgs 43nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1960pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 75W (Tc) Rds On (Max) @ Id, Vgs 4.2 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252, (D-Pak) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 1960pF @ 20V Vgs (Max) E20V FET Feature - Power Dissipation (Max) 75W (Tc) Rds On (Max) @ Id, Vgs 4.2 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252, (D-Pak) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	3V @ 250μA
Vgs (Max) $\pm 20\text{V}$ FET Feature-Power Dissipation (Max)75W (Tc)Rds On (Max) @ Id, Vgs $4.2 \text{ mOhm } @ 50\text{A}, 10\text{V}$ Operating Temperature $-55^{\circ}\text{C} \sim 175^{\circ}\text{C}$ (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	43nC @ 10V
FET Feature - Power Dissipation (Max) 75W (Tc) Rds On (Max) @ Id, Vgs 4.2 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252, (D-Pak) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	1960pF @ 20V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4.2 mOhm @ 50A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252, (D-Pak) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs4.2 mOhm @ 50A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount TO-252, (D-Pak) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	75W (Tc)
Mounting Type Surface Mount TO-252, (D-Pak) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	4.2 mOhm @ 50A, 10V
Supplier Device Package TO-252, (D-Pak) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Mounting Type	Surface Mount
	Supplier Device Package	TO-252, (D-Pak)
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

FDD9410L_F085 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.

FDD9410L_F085 Payment Methods





















FDD9410L_F085 Shipping Methods













If you have any question about FDD9410L_F085, please do not hesitate to contact us!

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