

FKI07117 Information



For Reference Only

Part Number FKI07117 **Manufacturer** Sanken

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 75V 42A TO-220F

Package TO-220-3 Full Pack

For the pricing/inventory/lead time, please contact

us

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



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FKI07117 Specifications

Manufacturer Part Number FKI07117 Manufacturer Sanken Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Full Pack Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 75V Current - Continuous Drain (Id) @ 25°C 42A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ ImA Gate Charge (Qg) (Max) @ Vgs 54nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4040pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 40W (Tc) Rds On (Max) @ Id, Vgs 9.7 mOhm @ 31.2A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-2203 Full Pack		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Full Pack Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Torin to Source Voltage (Vdss) Torin to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Prive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Sunday Leave (Ciss) (Max) @ Vds Vgs (Max) ### 20V ###	Manufacturer Part Number	FKI07117
Package TO-220-3 Full Pack Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 75V Current - Continuous Drain (Id) @ 25°C 42A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 54nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4040pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 40W (Tc) Rds On (Max) @ Id, Vgs 9.7 mOhm @ 31.2A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack	Manufacturer	Sanken
Package TO-220-3 Full Pack Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 75 V Current - Continuous Drain (Id) @ 25°C 42A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 54nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4040pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 40W (Tc) Rds On (Max) @ Id, Vgs 9.7 mOhm @ 31.2A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 75V Current - Continuous Drain (Id) @ 25°C 42A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 54nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4040pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 40W (Tc) Rds On (Max) @ Id, Vgs 9.7 mOhm @ 31.2A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) To Source Voltage (Vdss) 75V Current - Continuous Drain (Id) @ 25°C 42A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 54nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 4040pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 40W (Tc) Rds On (Max) @ Id, Vgs 9,7 mOhm @ 31.2A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package 70-220F Package / Case 75V	Package	TO-220-3 Full Pack
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 42A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) **EUV** **EUV** **Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package Package / Case **MOSFET (Metal Oxide) 75V 42A (Tc) 45V 4040 Fe 25V	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Prive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Supplier Device Package Package / Case Possibation (Max) To-220F Package / Case Package Case Pa	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package Package / Case 42A (Tc) 45V (Te) 45V (10V 40V (25V 4040pF @ 25V 40V 40V (Tc) 9.7 mOhm @ 31.2A, 10V 150°C (TJ) Through Hole	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package Package / Case 4.5V, 10V 4.5V, 10V 4.5V, 10V 4.5V, 10V 4.6V (© 10V 4.6V (Drain to Source Voltage (Vdss)	75V
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 150°C (TJ) Mounting Type Through Hole Supplier Device Package Package / Case TO-220-3 Full Pack	Current - Continuous Drain (Id) @ 25°C	42A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 4040pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9.7 mOhm @ 31.2A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) E20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack	Vgs(th) (Max) @ Id	2.5V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)40W (Tc)Rds On (Max) @ Id, Vgs9.7 mOhm @ 31.2A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220FPackage / CaseTO-220-3 Full Pack	Gate Charge (Qg) (Max) @ Vgs	54nC @ 10V
FET Feature - Power Dissipation (Max) 40W (Tc) Rds On (Max) @ Id, Vgs 9.7 mOhm @ 31.2A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack	Input Capacitance (Ciss) (Max) @ Vds	4040pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9.7 mOhm @ 31.2A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs9.7 mOhm @ 31.2A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220FPackage / CaseTO-220-3 Full Pack	FET Feature	-
Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack	Power Dissipation (Max)	40W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack	Rds On (Max) @ Id, Vgs	9.7 mOhm @ 31.2A, 10V
Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack	Operating Temperature	150°C (TJ)
Package / Case TO-220-3 Full Pack	Mounting Type	Through Hole
-	Supplier Device Package	TO-220F
Report errors?	Package / Case	TO-220-3 Full Pack
		Report errors?

FKI07117 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.

FKI07117 Payment Methods





















FKI07117 Shipping Methods













If you have any question about FKI07117, please do not hesitate to contact us!

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