

FKI06190 Information



For Reference Only

Part Number FKI06190 Manufacturer Sanken

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 60V 30A 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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FKI06190 Specifications

Manufacturer Part Number 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) 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 Proceedings of the semiconductor Products Analogous Sanken Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single TO-220-3 Full Pack - Solve (Text) Sanken 104 105 105 107 107 108 109 109 109 109 109 109 109		
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) 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 Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single TO-220-3 Full Pack - 30A (Tc) 30A (Tc) 25V @ 350µA 23.7nC @ 10V 1510pF @ 25V 420V FET Feature	Manufacturer Part Number	FKI06190
Package TO-220-3 Full Pack Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 350μA Gate Charge (Qg) (Max) @ Vgs 23.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1510pF @ 25V Vgs (Max) ±20V FET Feature -	Manufacturer	Sanken
PackageTO-220-3 Full PackSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C30A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 350μAGate Charge (Qg) (Max) @ Vgs23.7nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1510pF @ 25VVgs (Max)±20VFET Feature-	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 350μA Gate Charge (Qg) (Max) @ Vgs 23.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1510pF @ 25V Vgs (Max) ±20V FET Feature -		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 350μA Gate Charge (Qg) (Max) @ Vgs 23.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1510pF @ 25V Vgs (Max) ±20V FET Feature -	Package	TO-220-3 Full Pack
Technology Drain to Source Voltage (Vdss) 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 MOSFET (Metal Oxide) 60V 30A (Tc) 30A (Tc) 2.5V @ 350μA 2.5V @ 350μA 1510pF @ 25V 4.5V, 10V 4.5V, 10V	Series	-
Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 350μA Gate Charge (Qg) (Max) @ Vgs 23.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1510pF @ 25V Vgs (Max) ±20V FET Feature -	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 350μA Gate Charge (Qg) (Max) @ Vgs 23.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1510pF @ 25V Vgs (Max) ±20V FET Feature -	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 350μA Gate Charge (Qg) (Max) @ Vgs 23.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1510pF @ 25V Vgs (Max) ±20V FET Feature -	Drain to Source Voltage (Vdss)	60V
Vgs(th) (Max) @ Id 2.5V @ 350μA Gate Charge (Qg) (Max) @ Vgs 23.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1510pF @ 25V Vgs (Max) ±20V FET Feature -	Current - Continuous Drain (Id) @ 25°C	30A (Tc)
Gate Charge (Qg) (Max) @ Vgs 23.7nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1510pF @ 25V Vgs (Max) ±20V FET Feature -	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds	Vgs(th) (Max) @ Id	2.5V @ 350μA
Vgs (Max) ±20V FET Feature -	Gate Charge (Qg) (Max) @ Vgs	23.7nC @ 10V
FET Feature -	Input Capacitance (Ciss) (Max) @ Vds	1510pF @ 25V
	Vgs (Max)	±20V
D D' ' (' (M)	FET Feature	-
Power Dissipation (Max) 32W (1c)	Power Dissipation (Max)	32W (Tc)
Rds On (Max) @ Id, Vgs 15.3 mOhm @ 19.8A, 10V	Rds On (Max) @ Id, Vgs	15.3 mOhm @ 19.8A, 10V
Operating Temperature 150°C (TJ)	Operating Temperature	150°C (TJ)
Mounting Type Through Hole	Mounting Type	Through Hole
Supplier Device Package TO-220F	Supplier Device Package	TO-220F
Package / Case TO-220-3 Full Pack	Package / Case	TO-220-3 Full Pack
Report errors?		Report errors?

FKI06190 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.

FKI06190 Payment Methods





















FKI06190 Shipping Methods













If you have any question about FKI06190, please do not hesitate to contact us!

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