

## **FKI06269 Information**



For Reference Only

Part Number FKI06269 Manufacturer Sanken

**Category** Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 60V 24A 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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# **Certified Quality**

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# **FKI06269 Specifications**

Manufacturer Part Number         FK106269           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)         60V           Current - Continuous Drain (Id) @ 25°C         24A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         16nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1050pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         29W (Tc)           Rds On (Max) @ Id, Vgs         21.8 mOhm @ 15.8A, 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)           Drain to Source Voltage (Vdss)         60V           Current - Continuous Drain (Id) @ 25°C         24A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         16nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1050pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         29W (Tc)           Rds On (Max) @ Id, Vgs         21.8 mOhm @ 15.8A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-220F           Package / Case         TO-220-3 Full Pack	Manufacturer Part Number	FKI06269
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         24A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         16nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1050pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         29W (Tc)           Rds On (Max) @ Id, Vgs         21.8 mOhm @ 15.8A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-220F           Package / Case         TO-220-3 Full Pack	Manufacturer	Sanken
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Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         60V           Current - Continuous Drain (Id) @ 25°C         24A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         16nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1050pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         29W (Tc)           Rds On (Max) @ Id, Vgs         21.8 mOhm @ 15.8A, 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) Drain to Source Voltage (Vdss) 60V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 16nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1050pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 29W (Tc) Rds On (Max) @ Id, Vgs 21.8 mOhm @ 15.8A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220F Package / Case To -220-3 Full Pack	Package	TO-220-3 Full Pack
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  24A (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)  FET Feature  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)  60V  24A (Tc)  25V @ 250µA  16nC @ 10V  1050pF @ 25V  25V  21V  21V  21V  21V  21V  21V	Series	-
Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs16nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1050pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)29W (Tc)Rds On (Max) @ Id, Vgs21.8 mOhm @ 15.8A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220FPackage / CaseTO-220-3 Full Pack	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  21.8 mOhm @ 15.8A, 10V  Operating Temperature  Mounting Type  Through Hole  Supplier Device Package  Package / Case  24A (Tc)  25V  25V  4.5V, 10V  2.5V @ 250µA  1050pF @ 25V	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs16nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1050pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)29W (Tc)Rds On (Max) @ Id, Vgs21.8 mOhm @ 15.8A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220FPackage / CaseTO-220-3 Full Pack	Drain to Source Voltage (Vdss)	60V
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  2.5V @ 250μA  16nC @ 10V  1050pF @ 25V  ±20V  £20V  £21V  £20V  £20V	Current - Continuous Drain (Id) @ 25°C	24A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  +20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-220-3 Full Pack	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  21.8 mOhm @ 15.8A, 10V  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 @ 250μA
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FET Feature - Power Dissipation (Max) 29W (Tc) Rds On (Max) @ Id, Vgs 21.8 mOhm @ 15.8A, 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	1050pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  21.8 mOhm @ 15.8A, 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, Vgs21.8 mOhm @ 15.8A, 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)	29W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220F Package / Case TO-220-3 Full Pack	Rds On (Max) @ Id, Vgs	21.8 mOhm @ 15.8A, 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?

#### **FKI06269 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.

# **FKI06269 Payment Methods**





















## **FKI06269 Shipping Methods**













If you have any question about FKI06269, please do not hesitate to contact us!

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