

2SK3800VL Information



For Reference Only

Part Number 2SK3800VL Manufacturer Sanken

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 40V TO-220S

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

us

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



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2SK3800VL Specifications

Manufacturer Part Number 25K3800VL Manufacturer Sanken Category Discrete Semiconductor Products Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 70A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 5100pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 80W (Tc) Rds On (Max) @ Id, Vgs 6 mOhm @ 35A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB **Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 70A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Ygs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Supplier Device Package Package / Case Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer Part Number	2SK3800VL
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 70A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 5100pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 80W (Tc) Rds On (Max) @ Id, Vgs 6 mOhm @ 35A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-220S Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer	Sanken
Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 70A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 5100pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 80W (Tc) Rds On (Max) @ Id, Vgs 6 mOhm @ 35A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-220S Package / Case TO-263AB	Category	Discrete Semiconductor Products
Series - N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 70A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ ImA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 5100pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 80W (Tc) Rds On (Max) @ Id, Vgs 6 mOhm @ 35A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-220S Package / Case To-263-A, D2Pak (2 Leads + Tab), TO-263AB		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 70A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 5100pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 80W (Tc) Rds On (Max) @ Id, Vgs 6 mOhm @ 35A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-220S Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 70A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 5100pF @ 10V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 40V MOSFET (Metal Oxide) 40V 70A (Ta) 10V 4V @ 1mA 5100pF @ 10V 5100pF @ 1	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 70A (Ta) 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 Mounting Type Surface Mount Supplier Device Package Package / Case 40V 70A (Ta) 70A	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 70A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 5100pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 80W (Tc) Rds On (Max) @ Id, Vgs 6 mOhm @ 35A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-220S Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 4V @ 1mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6 mOhm @ 35A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-220S Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	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) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 4V @ 1mA 6 mOh 7 moh 6 mOh 7 moh 7 moh 8 moh 7 moh 8 moh 8 moh 9 moh 150°C (TJ) 150°C (TJ) 150°C (TJ) 150°C (TJ)	Current - Continuous Drain (Id) @ 25°C	70A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6 mOhm @ 35A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-220S Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6 mOhm @ 35A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-220S Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	4V @ 1mA
Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 80W (Tc) Rds On (Max) @ Id, Vgs 6 mOhm @ 35A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-220S Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	-
FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6 mOhm @ 35A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-220S Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Input Capacitance (Ciss) (Max) @ Vds	5100pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6 mOhm @ 35A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-220S Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs 6 mOhm @ 35A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-220S Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-220S Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	80W (Tc)
Mounting Type Surface Mount Supplier Device Package TO-220S Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	6 mOhm @ 35A, 10V
Supplier Device Package TO-220S Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	150°C (TJ)
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Mounting Type	Surface Mount
	Supplier Device Package	TO-220S
Report errors?	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
		Report errors?

2SK3800VL 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.

2SK3800VL Payment Methods





















2SK3800VL Shipping Methods













If you have any question about 2SK3800VL, please do not hesitate to contact us!

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