



SUM110N10-09-E3 Information



For Reference Only

Part Number SUM110N10-09-E3
Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 100V 110A D2PAK

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

For the pricing/inventory/lead time, please contact

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



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Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









SUM110N10-09-E3 Specifications

Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series TrenchFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 110A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 160nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6700pF @ 25V Vgs (Max) ±20V FET Taeture - Power Dissipation (Max) 3.75W (Ta), 375W (Tc) Rds On (Max) @ Id, Vgs 9.5 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (D2Pak)		
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Technology Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 110A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 160nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 3.75W (Ta), 375W (Tc) Rds On (Max) @ Id, Vgs 9.5 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (D2Pak) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Series	TrenchFET?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 110A (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) **EUOV FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package TO-263 (D2Pak) TO-263AB	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 110A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 160nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 3.75W (Ta), 375W (Tc) Rds On (Max) @ Id, Vgs 9.5 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (D2Pak) 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 Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 160nC @ 10V 6700pF @ 25V ±20V FET Feature - 9.5 mOhm @ 30A, 10V 9.5 mOhm @ 30A, 10V TO-263 (D2Pak) TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 160nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 6700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 3.75W (Ta), 375W (Tc) Rds On (Max) @ Id, Vgs 9.5 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (D2Pak) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	110A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 6700pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9.5 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (D2Pak) Package / Case 160nC @ 10V 6700pF @ 25V ±20V FET Feature - Surface Mount TC-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 6700pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 3.75W (Ta), 375W (Tc) Rds On (Max) @ Id, Vgs 9.5 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (D2Pak) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 3.75W (Ta), 375W (Tc) Rds On (Max) @ Id, Vgs 9.5 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (D2Pak) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	160nC @ 10V
FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9.5 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (D2Pak) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Input Capacitance (Ciss) (Max) @ Vds	6700pF @ 25V
Power Dissipation (Max) 3.75W (Ta), 375W (Tc) Rds On (Max) @ Id, Vgs 9.5 mOhm @ 30A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (D2Pak) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs9.5 mOhm @ 30A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-263 (D2Pak)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount TO-263 (D2Pak) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	3.75W (Ta), 375W (Tc)
Mounting Type Surface Mount Supplier Device Package TO-263 (D2Pak) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	9.5 mOhm @ 30A, 10V
Supplier Device Package TO-263 (D2Pak) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Mounting Type	Surface Mount
	Supplier Device Package	TO-263 (D2Pak)
Report errors?	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
		Report errors?

SUM110N10-09-E3 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.

SUM110N10-09-E3 Payment Methods



















SUM110N10-09-E3 Shipping Methods













If you have any question about SUM110N10-09-E3, please do not hesitate to contact us!

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