



MIC94044YFL-TR Information



For Reference Only

Part Number MIC94044YFL-TR
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

Description IC LOAD SW HI-SIDE 3A 4MLF

Package 4-WDFN, 4-MLF?
For the pricing/inventory/lead time, please contact

115

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



Request a Quote

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.









MIC94044YFL-TR Specifications

Manufacturer Part Number MIC94044YFL-TR Manufacturer Microchip Technology Category Integrated Circuits (ICs) Package 4-WDFN, 4-MLF? Series - Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type P-Channel Interface On/Off Voltage - Load 1.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 3A Asd on (Typ) 28 mOhm Input Type Non-Inverting Features Slew Rate Controlled Fault Protection - Operating Temperature -40°C ~ 125°C (TJ) Package / Case 4-WDFN, 4-MLF? Supplier Device Package 4-MLF? (1.2x1.2)		
Category Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers Package 4-WDFN, 4-MLF? Series - Switch Type General Purpose Number of Outputs I Ratio - Input:Output 1:1 Output Configuration High Side Output Type P-Channel Interface On/Off Voltage - Load 1.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 3A Rds On (Typ) 28 mOhm Input Type Non-Inverting Features Slew Rate Controlled Fault Protection - Operating Temperature -40°C ~ 125°C (TJ) Package / Case 4-WDFN, 4-MLF? Supplier Device Package 4-MLF? (1.2x1.2)	Manufacturer Part Number	MIC94044YFL-TR
Package 4-WDFN, 4-MLF? Series - Switch Type General Purpose Number of Outputs 1:1 Output Configuration High Side Output Type P-Channel Interface On/Off Voltage - Load 1.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 3A Rds On (Typ) 28 mOhm Input Type Non-Inverting Features Slew Rate Controlled Fault Protection - Operating Temperature - 40°C ~ 125°C (TJ) Package / Case 4-WDFN, 4-MLF? Supplier Device Package 4-MLF? (1.2x1.2)	Manufacturer	Microchip Technology
Package 4-WDFN, 4-MLF? Series - Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type P-Channel Interface On/Off Voltage - Load 1.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 3A Rds On (Typ) 28 mOhm Input Type Non-Inverting Features Slew Rate Controlled Fault Protection - Operating Temperature -40°C ~ 125°C (TJ) Package / Case 4-WDFN, 4-MLF? Supplier Device Package 4-MLF? (1.2x1.2)	Category	Integrated Circuits (ICs)
Series - Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type P-Channel Interface On/Off Voltage - Load 1.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 3A Rds On (Typ) 28 mOhm Input Type Non-Inverting Features Slew Rate Controlled Fault Protection - Operating Temperature -40°C ~ 125°C (TJ) Package / Case 4-WDFN, 4-MLF? Supplier Device Package 4-MLF? (1.2x1.2)		PMIC - Power Distribution Switches, Load Drivers
Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeP-ChannelInterfaceOn/OffVoltage - Load1.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)3ARds On (Typ)28 mOhmInput TypeNon-InvertingFeaturesSlew Rate ControlledFault Protection-Operating Temperature-40°C ~ 125°C (TJ)Package / Case4-WDFN, 4-MLF?Supplier Device Package4-MLF? (1.2x1.2)	Package	4-WDFN, 4-MLF?
Number of Outputs Ratio - Input:Output 1:1 Output Configuration High Side Output Type P-Channel Interface On/Off Voltage - Load 1.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 3A Rds On (Typ) 28 mOhm Input Type Non-Inverting Features Slew Rate Controlled Fault Protection Operating Temperature -40°C ~ 125°C (TJ) Package / Case 4-WDFN, 4-MLF? Supplier Device Package 4-MLF? (1.2x1.2)	Series	-
Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeP-ChannelInterfaceOn/OffVoltage - Load1.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)3ARds On (Typ)28 mOhmInput TypeNon-InvertingFeaturesSlew Rate ControlledFault Protection-Operating Temperature-40°C ~ 125°C (TJ)Package / Case4-WDFN, 4-MLF?Supplier Device Package4-MLF? (1.2x1.2)	Switch Type	General Purpose
Output Configuration Output Type P-Channel Interface On/Off Voltage - Load 1.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 3A Rds On (Typ) 28 mOhm Input Type Non-Inverting Features Slew Rate Controlled Fault Protection Operating Temperature -40°C ~ 125°C (TJ) Package / Case Supplier Device Package 4-MLF? (1.2x1.2)	Number of Outputs	1
Output Type P-Channel Interface On/Off Voltage - Load 1.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 3A Rds On (Typ) 28 mOhm Input Type Non-Inverting Features Slew Rate Controlled Fault Protection - Operating Temperature -40°C ~ 125°C (TJ) Package / Case 4-WDFN, 4-MLF? Supplier Device Package 4-MLF? (1.2x1.2)	Ratio - Input:Output	1:1
Interface On/Off Voltage - Load 1.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 3A Rds On (Typ) 28 mOhm Input Type Non-Inverting Features Slew Rate Controlled Fault Protection - Operating Temperature -40°C ~ 125°C (TJ) Package / Case 4-MLF? (1.2x1.2)	Output Configuration	High Side
Voltage - Load 1.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 3A Rds On (Typ) 28 mOhm Input Type Non-Inverting Features Slew Rate Controlled Fault Protection - Operating Temperature -40°C ~ 125°C (TJ) Package / Case 4-WDFN, 4-MLF? Supplier Device Package 4-MLF? (1.2x1.2)	Output Type	P-Channel
Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 3A Rds On (Typ) 28 mOhm Input Type Non-Inverting Features Slew Rate Controlled Fault Protection - Operating Temperature -40°C ~ 125°C (TJ) Package / Case 4-WDFN, 4-MLF? Supplier Device Package 4-MLF? (1.2x1.2)	Interface	On/Off
Current - Output (Max) Rds On (Typ) 28 mOhm Input Type Non-Inverting Features Slew Rate Controlled Fault Protection - Operating Temperature -40°C ~ 125°C (TJ) Package / Case 4-WDFN, 4-MLF? Supplier Device Package 4-MLF? (1.2x1.2)	Voltage - Load	1.7 V ~ 5.5 V
Rds On (Typ)28 mOhmInput TypeNon-InvertingFeaturesSlew Rate ControlledFault Protection-Operating Temperature-40°C ~ 125°C (TJ)Package / Case4-WDFN, 4-MLF?Supplier Device Package4-MLF? (1.2x1.2)	Voltage - Supply (Vcc/Vdd)	Not Required
Input Type Non-Inverting Features Slew Rate Controlled Fault Protection - Operating Temperature -40°C ~ 125°C (TJ) Package / Case 4-WDFN, 4-MLF? Supplier Device Package 4-MLF? (1.2x1.2)	Current - Output (Max)	3A
Features Slew Rate Controlled Fault Protection - Coperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ) Package / Case $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ) Supplier Device Package $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ) $-40^{\circ}\text{C} \sim 125^{$	Rds On (Typ)	28 mOhm
Fault Protection - Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TJ) Package / Case 4-WDFN , 4-MLF ? Supplier Device Package 4-MLF ? (1.2x1.2)	Input Type	Non-Inverting
Operating Temperature -40°C ~ 125°C (TJ) Package / Case 4-WDFN, 4-MLF? Supplier Device Package 4-MLF? (1.2x1.2)	Features	Slew Rate Controlled
Package / Case 4-WDFN, 4-MLF? Supplier Device Package 4-MLF? (1.2x1.2)	Fault Protection	-
Supplier Device Package 4-MLF? (1.2x1.2)	Operating Temperature	-40°C ~ 125°C (TJ)
	Package / Case	4-WDFN, 4-MLF?
Report errors?	Supplier Device Package	4-MLF? (1.2x1.2)
		Report errors?

MIC94044YFL-TR 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.

MIC94044YFL-TR Payment Methods



















MIC94044YFL-TR Shipping Methods













If you have any question about MIC94044YFL-TR, please do not hesitate to contact us!

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