



#### MIC2014-0.8YML-TR Information



For Reference Only

Part Number MIC2014-0.8YML-TR
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

**Description**IC DISTRIBUTION SW 0.8A 6-MLF**Package**6-VQFN Exposed Pad, 6-MLF?

For the pricing/inventory/lead time, please contact

us

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



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# MIC2014-0.8YML-TR Specifications

Manufacturer Part Number         Mic2014-0.8YML-TR           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           Package         6-VQFN Exposed Pad, 6-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         2.5 V ~ 5.5 V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         800mA           Rds On (Typ)         70 mOhm           Input Type         Non-Inverting           Features         Load Discharge           Fault Protection         Current Limiting (Fixed), Over Temperature           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         6-VQFN Exposed Pad, 6-MLF?           Supplier Device Package         6-MLF? (2x2)		
Integrated Circuits (ICs)  PMIC - Power Distribution Switches, Load Drivers  6-VQFN Exposed Pad, 6-MLF?  Series  - Switch Type General Purpose  Number of Outputs 1:1  Ratio - Input:Output 1:1  Output Configuration High Side Output Type P-Channel Interface On/Off  Voltage - Load Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) Rds On (Typ) Non-Inverting Input Type Non-Inverting Features Load Discharge Fault Protection Operating Temperature -40°C ~ 85°C (TA) Package / Case 6-VQFN Exposed Pad, 6-MLF? (2x2)	Manufacturer Part Number	MIC2014-0.8YML-TR
Package 6-VQFN Exposed Pad, 6-MLF?  Series - Switch Type General Purpose  Number of Outputs 1:1 Output Configuration High Side Output Type P-Channel Interface On/Off  Voltage - Load 2.5 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 800mA  Rds On (Typ) 70 mOhm Input Type Non-Inverting Features Load Discharge Fault Protection Current Limiting (Fixed), Over Temperature Operating Temperature - 40°C ~ 85°C (TA) Package / Case 6-MLF? (2x2)	Manufacturer	Microchip Technology
Package 6-VQFN Exposed Pad, 6-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 2.5 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 800mA Rds On (Typ) 70 mOhm Input Type Non-Inverting Features Load Discharge Fault Protection Current Limiting (Fixed), Over Temperature Operating Temperature -40°C ~ 85°C (TA) Package / Case 6-MLF? (2x2)	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         2.5 V ~ 5.5 V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         800mA           Rds On (Typ)         70 mOhm           Input Type         Non-Inverting           Features         Load Discharge           Fault Protection         Current Limiting (Fixed), Over Temperature           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         6-VQFN Exposed Pad, 6-MLF?           Supplier Device Package         6-MLF? (2x2)		PMIC - Power Distribution Switches, Load Drivers
Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeP-ChannelInterfaceOn/OffVoltage - Load2.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)800mARds On (Typ)70 mOhmInput TypeNon-InvertingFeaturesLoad DischargeFault ProtectionCurrent Limiting (Fixed), Over TemperatureOperating Temperature-40°C ~ 85°C (TA)Package / Case6-VQFN Exposed Pad, 6-MLF?Supplier Device Package6-MLF? (2x2)	Package	6-VQFN Exposed Pad, 6-MLF?
Number of Outputs  Ratio - Input:Output  1:1  Output Configuration  High Side  Output Type  P-Channel  Interface  On/Off  Voltage - Load  2.5 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  Rds On (Typ)  70 mOhm  Input Type  Non-Inverting  Features  Load Discharge  Fault Protection  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  Supplier Device Package  6-MLF? (2x2)	Series	-
Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeP-ChannelInterfaceOn/OffVoltage - Load2.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)800mARds On (Typ)70 mOhmInput TypeNon-InvertingFeaturesLoad DischargeFault ProtectionCurrent Limiting (Fixed), Over TemperatureOperating Temperature-40°C ~ 85°C (TA)Package / Case6-VQFN Exposed Pad, 6-MLF?Supplier Device Package6-MLF? (2x2)	Switch Type	General Purpose
Output Configuration Output Type P-Channel Interface On/Off Voltage - Load 2.5 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) Rds On (Typ) 70 mOhm Input Type Non-Inverting Features Load Discharge Fault Protection Current Limiting (Fixed), Over Temperature Operating Temperature -40°C ~ 85°C (TA) Package / Case 6-VQFN Exposed Pad, 6-MLF? Supplier Device Package 6-MLF? (2x2)	Number of Outputs	1
Output Type P-Channel Interface On/Off  Voltage - Load 2.5 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 800mA  Rds On (Typ) 70 mOhm  Input Type Non-Inverting  Features Load Discharge  Fault Protection Current Limiting (Fixed), Over Temperature  Operating Temperature -40°C ~ 85°C (TA)  Package / Case 6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package 6-MLF? (2x2)	Ratio - Input:Output	1:1
Interface On/Off  Voltage - Load 2.5 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 800mA  Rds On (Typ) 70 mOhm  Input Type Non-Inverting  Features Load Discharge  Fault Protection Current Limiting (Fixed), Over Temperature  Operating Temperature -40°C ~ 85°C (TA)  Package / Case 6-WLF? (2x2)	Output Configuration	High Side
Voltage - Load  2.5 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  800mA  Rds On (Typ)  70 mOhm  Input Type  Non-Inverting  Features  Load Discharge  Fault Protection  Current Limiting (Fixed), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package  6-MLF? (2x2)	Output Type	P-Channel
Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  800mA  Rds On (Typ)  70 mOhm  Input Type  Non-Inverting  Features  Load Discharge  Fault Protection  Current Limiting (Fixed), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package  6-MLF? (2x2)	Interface	On/Off
Current - Output (Max)  Rds On (Typ)  70 mOhm  Input Type  Non-Inverting  Features  Load Discharge  Fault Protection  Current Limiting (Fixed), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package  6-MLF? (2x2)	Voltage - Load	2.5 V ~ 5.5 V
Rds On (Typ) 70 mOhm Input Type Non-Inverting Features Load Discharge Fault Protection Current Limiting (Fixed), Over Temperature Operating Temperature -40°C ~ 85°C (TA) Package / Case 6-VQFN Exposed Pad, 6-MLF? Supplier Device Package 6-MLF? (2x2)	Voltage - Supply (Vcc/Vdd)	Not Required
Input Type Non-Inverting Features Load Discharge Fault Protection Current Limiting (Fixed), Over Temperature Operating Temperature -40°C ~ 85°C (TA) Package / Case 6-VQFN Exposed Pad, 6-MLF? Supplier Device Package 6-MLF? (2x2)	Current - Output (Max)	800mA
Features Load Discharge  Fault Protection Current Limiting (Fixed), Over Temperature  Operating Temperature -40°C ~ 85°C (TA)  Package / Case 6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package 6-MLF? (2x2)	Rds On (Typ)	70 mOhm
Fault Protection Current Limiting (Fixed), Over Temperature  Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)  Package / Case $6\text{-VQFN}$ Exposed Pad, $6\text{-MLF}$ ?  Supplier Device Package $6\text{-MLF}$ ? (2x2)	Input Type	Non-Inverting
Operating Temperature -40°C ~ 85°C (TA)  Package / Case 6-VQFN Exposed Pad, 6-MLF?  Supplier Device Package 6-MLF? (2x2)	Features	Load Discharge
Package / Case 6-VQFN Exposed Pad, 6-MLF? Supplier Device Package 6-MLF? (2x2)	Fault Protection	Current Limiting (Fixed), Over Temperature
Supplier Device Package 6-MLF? (2x2)	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
	Package / Case	6-VQFN Exposed Pad, 6-MLF?
Report errors?	Supplier Device Package	6-MLF? (2x2)
		Report errors?

### MIC2014-0.8YML-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.

### MIC2014-0.8YML-TR Payment Methods



















## MIC2014-0.8YML-TR Shipping Methods













If you have any question about MIC2014-0.8YML-TR, please do not hesitate to contact us!

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