

#### **MIC2544-2BM Information**



For Reference Only

Part Number MIC2544-2BM

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

**Description** IC SW CURR LIMIT HI SIDE 8-SOP **Package** 8-SOIC (0.154", 3.90mm Width)

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**

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.









## **MIC2544-2BM Specifications**

Manufacturer  Category  Integrated Circuits (ICs)  PMIC - Power Distribution Switches, Load Drivers  Package  8-SOIC (0.154", 3.90mm Width)  Series  Switch Type  USB Switch  Number of Outputs  1 Ratio - Input:Output  1:1  Output Configuration  High Side  Output Type  N-Channel  Interface  On/Off  Voltage - Load  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  Rds On (Typ)  Rds On (Typ)  Non-Inverting  Features  Status Flag  Fault Protection  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  Rds On Width)		
Category         Integrated Circuits (ICs)           PMIC - Power Distribution Switches, Load Drivers           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Switch Type         USB Switch           Number of Outputs         1           Ratio - Input:Output         1:1           Output Configuration         High Side           Output Type         N-Channel           Interface         On/Off           Voltage - Load         2.7 V ~ 5.5 V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         1.5A           Rds On (Typ)         80 mOhm           Input Type         Non-Inverting           Features         Status Flag           Fault Protection         Current Limiting (Adjustable), Over Temperature           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC	Manufacturer Part Number	MIC2544-2BM
Package 8-SOIC (0.154", 3.90mm Width)  Series - Switch Type USB Switch  Number of Outputs 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off  Voltage - Load 2.7 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 1.5A  Rds On (Typ) 80 mOhm  Input Type Non-Inverting  Features Status Flag  Fault Protection Current Limiting (Adjustable), Over Temperature  -40°C ~ 85°C (TA)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Manufacturer	Microchip Technology
Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Switch Type         USB Switch           Number of Outputs         1           Ratio - Input:Output         1:1           Output Configuration         High Side           Output Type         N-Channel           Interface         On/Off           Voltage - Load         2.7 V ~ 5.5 V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         1.5A           Rds On (Typ)         80 mOhm           Input Type         Non-Inverting           Features         Status Flag           Fault Protection         Current Limiting (Adjustable), Over Temperature           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC	Category	Integrated Circuits (ICs)
Series         -           Switch Type         USB Switch           Number of Outputs         1           Ratio - Input:Output         1:1           Output Configuration         High Side           Output Type         N-Channel           Interface         On/Off           Voltage - Load         2.7 V ~ 5.5 V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         1.5A           Rds On (Typ)         80 mOhm           Input Type         Non-Inverting           Features         Status Flag           Fault Protection         Current Limiting (Adjustable), Over Temperature           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC		PMIC - Power Distribution Switches, Load Drivers
Switch Type  Number of Outputs  1 Ratio - Input:Output  1:1 Output Configuration  High Side Output Type  N-Channel Interface  On/Off  Voltage - Load  2.7 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  Rds On (Typ)  80 mOhm  Input Type  Non-Inverting Features  Status Flag  Fault Protection  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC  Uses  Supplier Device Package  USB Switch  1.1  Non-Inverting  Supplier Device Package  USB Switch  1.2  Non-Inverting  Supplier Device Package  USB Switch  1.3  Non-Inverting  Supplier Device Package  Supplier Device Package  Supplier Device Package	Package	8-SOIC (0.154", 3.90mm Width)
Number of Outputs  Ratio - Input:Output  1:1  Output Configuration  High Side  Output Type  N-Channel  Interface  On/Off  Voltage - Load  2.7 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  Rds On (Typ)  80 mOhm  Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Series	-
Ratio - Input:Output  Output Configuration  High Side  Output Type  N-Channel  Interface  On/Off  Voltage - Load  2.7 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  Rds On (Typ)  80 mOhm  Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC  1:1  High Side  N-Channel  1:1  Non-Channel  2.7 V ~ 5.5 V  Not Required  2.7 V ~ 5.5 V  Not Required  2.7 V ~ 5.5 V  Not Required  (Aigured)  (Current Limiting (Aigured)  (Aig	Switch Type	USB Switch
Output Configuration  Output Type  N-Channel  Interface  On/Off  Voltage - Load  2.7 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  1.5A  Rds On (Typ)  80 mOhm  Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Current Limiting (Adjustable), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Number of Outputs	1
Output Type Interface On/Off Voltage - Load 2.7 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.5A Rds On (Typ) 80 mOhm Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Adjustable), Over Temperature Operating Temperature -40°C ~ 85°C (TA) Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Ratio - Input:Output	1:1
Interface On/Off  Voltage - Load 2.7 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 1.5A  Rds On (Typ) 80 mOhm  Input Type Non-Inverting  Features Status Flag  Fault Protection Current Limiting (Adjustable), Over Temperature  Operating Temperature -40°C ~ 85°C (TA)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Output Configuration	High Side
Voltage - Load  2.7 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  1.5A  Rds On (Typ)  80 mOhm  Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Current Limiting (Adjustable), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	Output Type	N-Channel
Voltage - Supply (Vcc/Vdd)  Current - Output (Max)  Rds On (Typ)  80 mOhm  Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Current Limiting (Adjustable), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Interface	On/Off
Current - Output (Max)  Rds On (Typ)  80 mOhm  Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Current Limiting (Adjustable), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Voltage - Load	2.7 V ~ 5.5 V
Rds On (Typ)  80 mOhm  Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Current Limiting (Adjustable), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	Voltage - Supply (Vcc/Vdd)	Not Required
Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Current Limiting (Adjustable), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	Current - Output (Max)	1.5A
Features  Status Flag  Fault Protection  Current Limiting (Adjustable), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	Rds On (Typ)	80 mOhm
Fault Protection Current Limiting (Adjustable), Over Temperature  Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Input Type	Non-Inverting
Operating Temperature -40°C ~ 85°C (TA)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Features	Status Flag
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Fault Protection	Current Limiting (Adjustable), Over Temperature
Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 85°C (TA)
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
· · · · · · · · · · · · · · · · · · ·		Report errors

### **MIC2544-2BM 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.

# **MIC2544-2BM Payment Methods**



















## **MIC2544-2BM Shipping Methods**













If you have any question about MIC2544-2BM, please do not hesitate to contact us!

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