



## **DML1010FDK-7 Information**



For Reference Only

Part Number DML1010FDK-7

Manufacturer Diodes Incorporated

Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

**Description** IC 12V LOAD SWITCH DFN2020-8

Package 8-PowerUFDFN

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.









# **DML1010FDK-7 Specifications**

Manufacturer  Category  Integrated Circuits (ICs)  PMIC - Power Distribution Switches, Load Drivers  Package  8-PowerUFDFN  Series  - Switch Type  General Purpose  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)  Radio - Input (Max)  6A  Rds On (Typ)  8mOhm (Max)  Input Type  - Features  Diodes Incorporated  Integrated Circuits (ICs)  PMIC - Power Distribution Switches, Load Drivers  Power UFDFN  - Series  - Series  - Series  Series  - Series  Series  - Series  Load Discharge		
Category         Integrated Circuits (ICs)           PMIC - Power Distribution Switches, Load Drivers           Package         8-PowerUFDFN           Series         -           Switch Type         General Purpose           Number of Outputs         1           Ratio - Input:Output         1:1           Output Configuration         High Side           Output Type         N-Channel           Interface         On/Off           Voltage - Load         0.8V ~ 4V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         6A           Rds On (Typ)         8mOhm (Max)           Input Type         -           Features         Load Discharge	Manufacturer Part Number	DML1010FDK-7
Package 8-PowerUFDFN  Series - Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 0.8V ~ 4V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 6A Rds On (Typ) 8mOhm (Max) Input Type - Features Load Discharge	Manufacturer	Diodes Incorporated
Package         8-PowerUFDFN           Series         -           Switch Type         General Purpose           Number of Outputs         1           Ratio - Input:Output         1:1           Output Configuration         High Side           Output Type         N-Channel           Interface         On/Off           Voltage - Load         0.8V ~ 4V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         6A           Rds On (Typ)         8mOhm (Max)           Input Type         -           Features         Load Discharge	Category	Integrated Circuits (ICs)
Series         -           Switch Type         General Purpose           Number of Outputs         1           Ratio - Input:Output         1:1           Output Configuration         High Side           Output Type         N-Channel           Interface         On/Off           Voltage - Load         0.8V ~ 4V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         6A           Rds On (Typ)         8mOhm (Max)           Input Type         -           Features         Load Discharge		PMIC - Power Distribution Switches, Load Drivers
Switch Type General Purpose  Number of Outputs 1  Ratio - Input:Output 1:1  Output Configuration High Side  Output Type N-Channel  Interface On/Off  Voltage - Load 0.8V ~ 4V  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 6A  Rds On (Typ) 8mOhm (Max)  Input Type  Features Load Discharge	Package	8-PowerUFDFN
Number of Outputs  Ratio - Input:Output  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)  SmOhm (Max)  Input Type  Features  Load Discharge	Series	-
Ratio - Input:Output  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)  8mOhm (Max)  Input Type  - Features  Load Discharge	Switch Type	General Purpose
Output Configuration  Output Type  N-Channel  Interface  On/Off  Voltage - Load  Voltage - Supply (Vcc/Vdd)  Current - Output (Max)  Rds On (Typ)  Reduired  - Features  High Side  N-Channel  N-Channel  On/Off  Not Required  On/Off  Not Required  - SmOhm (Max)  Load Discharge	Number of Outputs	1
Output Type N-Channel Interface On/Off Voltage - Load 0.8V ~ 4V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 6A Rds On (Typ) 8mOhm (Max) Input Type - Features Load Discharge	Ratio - Input:Output	1:1
Interface         On/Off           Voltage - Load         0.8V ~ 4V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         6A           Rds On (Typ)         8mOhm (Max)           Input Type         -           Features         Load Discharge	Output Configuration	High Side
Voltage - Load  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  6A  Rds On (Typ)  8mOhm (Max)  Input Type  - Features  Load Discharge	Output Type	N-Channel
Voltage - Supply (Vcc/Vdd)  Current - Output (Max)  Rds On (Typ)  8mOhm (Max)  Input Type  - Features  Load Discharge	Interface	On/Off
Current - Output (Max) 6A  Rds On (Typ) 8mOhm (Max)  Input Type -  Features Load Discharge	Voltage - Load	$0.8V \sim 4V$
Rds On (Typ) 8mOhm (Max)  Input Type - Features Load Discharge	Voltage - Supply (Vcc/Vdd)	Not Required
Input Type - Features Load Discharge	Current - Output (Max)	6A
Features Load Discharge	Rds On (Typ)	8mOhm (Max)
e e e e e e e e e e e e e e e e e e e	Input Type	-
Fault Protection -	Features	Load Discharge
	Fault Protection	-
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
Package / Case 8-PowerUFDFN	Package / Case	8-PowerUFDFN
Supplier Device Package U-DFN2020-8 (Type K)	Supplier Device Package	U-DFN2020-8 (Type K)
Report errors?		Report errors?

#### **DML1010FDK-7 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.

## **DML1010FDK-7 Payment Methods**





















## **DML1010FDK-7 Shipping Methods**













If you have any question about DML1010FDK-7, please do not hesitate to contact us!

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