

# **A6812ELW Information**



For Reference Only

Part Number A6812ELW

Manufacturer Allegro MicroSystems, LLC Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

**Description** IC SOURCE DRVR 20BIT SER 28SOIC **Package** 28-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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



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# **A6812ELW Specifications**

Manufacturer Part Number         A6812ELW           Manufacturer         Allegro MicroSystems, LLC           Category         Integrated Circuits (ICs)           Package         28-SOIC (0.295", 7.50mm Width)           Series         -           Switch Type         Latched Driver           Number of Outputs         20           Ratio - Input:Output         1:20           Output Configuration         High Side           Output Type         Bipolar           Interface         Strobe, Serial           Voltage - Load         60V (Max)           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Current - Output (Max)         40mA           Rds On (Typ)         -           Input Type         Non-Inverting           Features         -           Force         -           Operating Temperature         -           Average <t< th=""><th>-</th><th></th></t<>	-	
Category         Integrated Circuits (ICs)           PMIC - Power Distribution Switches, Load Drivers           Package         28-SOIC (0.295", 7.50mm Width)           Series         -           Switch Type         Latched Driver           Number of Outputs         20           Ratio - Input:Output         1:20           Output Configuration         High Side           Output Type         Bipolar           Interface         Strobe, Serial           Voltage - Load         60V (Max)           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Current - Output (Max)         40mA           Rds On (Typ)         -           Input Type         Non-Inverting           Features         -           Fault Protection         -           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         28-SOIC (0.295", 7.50mm Width)           Supplier Device Package         28-SOIC	Manufacturer Part Number	A6812ELW
PMIC - Power Distribution Switches, Load Drivers           Package         28-SOIC (0.295", 7.50mm Width)           Series         -           Switch Type         Latched Driver           Number of Outputs         20           Ratio - Input:Output         1:20           Output Configuration         High Side           Output Type         Bipolar           Interface         Strobe, Serial           Voltage - Load         60V (Max)           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Current - Output (Max)         40mA           Rds On (Typ)         -           Input Type         Non-Inverting           Features         -           Fault Protection         -           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         28-SOIC (0.295", 7.50mm Width)           Supplier Device Package         28-SOIC	Manufacturer	Allegro MicroSystems, LLC
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Series         -           Switch Type         Latched Driver           Number of Outputs         20           Ratio - Input:Output         1:20           Output Configuration         High Side           Output Type         Bipolar           Interface         Strobe, Serial           Voltage - Load         60V (Max)           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Current - Output (Max)         40mA           Rds On (Typ)         -           Input Type         Non-Inverting           Features         -           Fault Protection         -           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         28-SOIC (0.295", 7.50mm Width)           Supplier Device Package         28-SOIC		PMIC - Power Distribution Switches, Load Drivers
Switch TypeLatched DriverNumber of Outputs20Ratio - Input:Output1:20Output ConfigurationHigh SideOutput TypeBipolarInterfaceStrobe, SerialVoltage - Load60V (Max)Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VCurrent - Output (Max)40mARds On (Typ)-Input TypeNon-InvertingFeatures-Fault Protection-Operating Temperature-40°C ~ 85°C (TA)Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Package	28-SOIC (0.295", 7.50mm Width)
Number of Outputs  Ratio - Input:Output  1:20  Output Configuration  High Side  Output Type  Bipolar  Interface  Strobe, Serial  Voltage - Load  60V (Max)  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Current - Output (Max)  Rds On (Typ)  - Input Type  Non-Inverting  Features  - Fault Protection  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  Supplier Device Package  28-SOIC	Series	-
Ratio - Input:Output1:20Output ConfigurationHigh SideOutput TypeBipolarInterfaceStrobe, SerialVoltage - Load60V (Max)Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VCurrent - Output (Max)40mARds On (Typ)-Input TypeNon-InvertingFeatures-Fault Protection-Operating Temperature-40°C ~ 85°C (TA)Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Switch Type	Latched Driver
Output ConfigurationHigh SideOutput TypeBipolarInterfaceStrobe, SerialVoltage - Load60V (Max)Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VCurrent - Output (Max)40mARds On (Typ)-Input TypeNon-InvertingFeatures-Fault Protection-Operating Temperature-40°C ~ 85°C (TA)Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Number of Outputs	20
Output TypeBipolarInterfaceStrobe, SerialVoltage - Load60V (Max)Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VCurrent - Output (Max)40mARds On (Typ)-Input TypeNon-InvertingFeatures-Fault Protection-Operating Temperature-40°C ~ 85°C (TA)Package / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Ratio - Input:Output	1:20
Interface Strobe, Serial  Voltage - Load 60V (Max)  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Current - Output (Max) 40mA  Rds On (Typ) -  Input Type Non-Inverting  Features -  Fault Protection -  Operating Temperature -40°C ~ 85°C (TA)  Package / Case 28-SOIC (0.295", 7.50mm Width)  Supplier Device Package 28-SOIC	Output Configuration	High Side
Voltage - Load  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Current - Output (Max)  40mA  Rds On (Typ)  Input Type  Non-Inverting  Features  - Fault Protection  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Output Type	Bipolar
Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Current - Output (Max)  40mA  Rds On (Typ)  - Input Type  Non-Inverting  Features  - Fault Protection  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Interface	Strobe, Serial
Current - Output (Max)  Rds On (Typ)  - Input Type  Non-Inverting  Features  - Fault Protection  Operating Temperature  Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Voltage - Load	60V (Max)
Rds On (Typ)  Input Type  Non-Inverting  Features  - Fault Protection  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  28-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Input Type Non-Inverting  Features - Fault Protection - Operating Temperature -40°C ~ 85°C (TA)  Package / Case 28-SOIC (0.295", 7.50mm Width)  Supplier Device Package 28-SOIC	Current - Output (Max)	40mA
Features - Fault Protection - Operating Temperature -40°C ~ 85°C (TA) Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Rds On (Typ)	-
Fault Protection - Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Input Type	Non-Inverting
Operating Temperature -40°C ~ 85°C (TA)  Package / Case 28-SOIC (0.295", 7.50mm Width)  Supplier Device Package 28-SOIC	Features	-
Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Fault Protection	-
Supplier Device Package 28-SOIC	Operating Temperature	-40°C ~ 85°C (TA)
	Package / Case	28-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	28-SOIC
		Report errors?

### **A6812ELW 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.



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Our experienced sales team and tech support team back our services to satisfy all our customers.

# **A6812ELW Payment Methods**





















### **A6812ELW Shipping Methods**













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