

### AP7313-18SRG-7 Information



For Reference Only

Part NumberAP7313-18SRG-7ManufacturerDiodes IncorporatedCategoryIntegrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LIN 1.8V 150MA SOT23R-3 **Package** TO-236-3, SC-59, SOT-23-3

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.









## **AP7313-18SRG-7 Specifications**

Manufacturer Part Number         AP7313-18SRG-7           Manufacturer         Diodes Incorporated           Category         Integrated Circuits (ICs)           Package         TO-236-3, SC-59, SOT-23-3           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage - Output (Max)         -           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         150mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         75μA ~ 85μA           PSRR         65dB (100Hz)           Control Features         Over Current, Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23R-3	•	
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         TO-236-3, SC-59, SOT-23-3           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         150mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         75μA ~ 85μA           PSRR         65dB (100Hz)           Control Features         -           Protection Features         Over Current, Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23R-3	Manufacturer Part Number	AP7313-18SRG-7
Package         TO-236-3, SC-59, SOT-23-3           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         150mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         75μA ~ 85μA           PSRR         65dB (100Hz)           Control Features         Over Current, Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23R-3	Manufacturer	Diodes Incorporated
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Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         150mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         75μA ~ 85μA           PSRR         65dB (100Hz)           Control Features         -           Protection Features         Over Current, Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23R-3		PMIC - Voltage Regulators - Linear
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Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         150mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         75μA ~ 85μA           PSRR         65dB (100Hz)           Control Features         -           Protection Features         Over Current, Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23R-3	Series	-
Number of Regulators         1           Voltage - Input (Max)         6V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         -           Current - Output         150mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         75μA ~ 85μA           PSRR         65dB (100Hz)           Control Features         -           Protection Features         Over Current, Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23R-3	Output Configuration	Positive
Voltage - Input (Max)6VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)75μA ~ 85μAPSRR65dB (100Hz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23R-3	Output Type	Fixed
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  -  Voltage Dropout (Max)  -  Current - Output  150mA  Current - Quiescent (Iq)  -  Current - Supply (Max)  75μA ~ 85μA  PSRR  65dB (100Hz)  Control Features  -  Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  - Current - Output  150mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  65dB (100Hz)  Control Features  - Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Voltage - Input (Max)	6V
Voltage Dropout (Max)  Current - Output  150mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  65dB (100Hz)  Control Features  Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Voltage - Output (Min/Fixed)	1.8V
Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)75μA ~ 85μAPSRR65dB (100Hz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23R-3	Voltage - Output (Max)	-
$\begin{array}{llll} & \text{Current - Quiescent (Iq)} & \text{-} \\ & \text{Current - Supply (Max)} & 75 \mu \text{A} \sim 85 \mu \text{A} \\ & \text{PSRR} & 65 \text{dB (100Hz)} \\ & \text{Control Features} & \text{-} \\ & \text{Protection Features} & \text{Over Current, Over Temperature, Short Circuit} \\ & \text{Operating Temperature} & -40^{\circ}\text{C} \sim 85^{\circ}\text{C} \\ & \text{Mounting Type} & \text{Surface Mount} \\ & \text{Package / Case} & \text{TO-236-3, SC-59, SOT-23-3} \\ & \text{Supplier Device Package} & \text{SOT-23R-3} \\ \end{array}$	Voltage Dropout (Max)	-
Current - Supply (Max) $75\mu A \sim 85\mu A$ $65dB (100Hz)$ Control Features -   Protection Features Over Current, Over Temperature, Short Circuit $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23R-3	Current - Output	150mA
PSRR 65dB (100Hz)  Control Features -  Protection Features Over Current, Over Temperature, Short Circuit  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23R-3	Current - Quiescent (Iq)	-
Control Features - Over Current, Over Temperature, Short Circuit Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23R-3	Current - Supply (Max)	75μΑ ~ 85μΑ
Protection Features Over Current, Over Temperature, Short Circuit -40°C ~ 85°C  Mounting Type Surface Mount Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23R-3	PSRR	65dB (100Hz)
Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23R-3	Control Features	-
Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23R-3	Protection Features	Over Current, Over Temperature, Short Circuit
Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23R-3	Operating Temperature	-40°C ~ 85°C
Supplier Device Package SOT-23R-3	Mounting Type	Surface Mount
	Package / Case	TO-236-3, SC-59, SOT-23-3
Report errors?	Supplier Device Package	SOT-23R-3
		Report errors?

#### AP7313-18SRG-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.

## **AP7313-18SRG-7 Payment Methods**



















## **AP7313-18SRG-7 Shipping Methods**













If you have any question about AP7313-18SRG-7, please do not hesitate to contact us!

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