

AP7313-28SRG-7 Information



For Reference Only

Part Number AP7313-28SRG-7

Manufacturer Diodes Incorporated

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LIN 2.8V 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.









AP7313-28SRG-7 Specifications

| Manufacturer Part Number AP7313-28SRG-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) 2.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.3V @ 150mA Current - Output 150mA Current - Supply (Max) 75μA ~ 85μA PSRR 65dB (100Hz) Control Features Over Current, Over Temperature, Short Circuit Operating Temperature 4.0°C ~ 85°C Mounting Type Surface Mount Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23R-3 | • | |
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| Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package TO-236-3, SC-59, SOT-23-3 Scries - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 2.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.3V @ 150mA 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 | AP7313-28SRG-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) 2.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.3V @ 150mA 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 | 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) 2.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.3V @ 150mA 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 | | PMIC - Voltage Regulators - Linear |
| Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 2.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.3V @ 150mA 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 | Package | TO-236-3, SC-59, SOT-23-3 |
| Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 6V Voltage - Output (Min/Fixed) 2.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.3V @ 150mA 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) 2.8V Voltage - Output (Max) - Voltage Dropout (Max) 0.3V @ 150mA 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)2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.3V @ 150mACurrent - 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)2.8VVoltage - Output (Max)-Voltage Dropout (Max)0.3V @ 150mACurrent - 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 | Number of Regulators | 1 |
| Voltage - Output (Max) Voltage Dropout (Max) 0.3V @ 150mA 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 | 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) | 2.8V |
| 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) | 0.3V @ 150mA |
| 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? |

AP7313-28SRG-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.

AP7313-28SRG-7 Payment Methods



















AP7313-28SRG-7 Shipping Methods













If you have any question about AP7313-28SRG-7, please do not hesitate to contact us!

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