



#### MAX6225AEPA+ Information



For Reference Only

Part Number MAX6225AEPA+
Manufacturer Maxim Integrated
Category Integrated Circuits

tegory Integrated Circuits (ICs)
PMIC - Voltage Reference

**Description** IC VREF SERIES 2.5V 8DIP **Package** 8-DIP (0.300", 7.62mm)

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**

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# **MAX6225AEPA+ Specifications**

| Manufacturer Part Number         MAX6225AEPA+           Manufacturer         Maxim Integrated           Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         8-DIP (0.300", 7.62mm)           Series         -           Reference Type         Series, Buried Zener           Output Type         Fixed           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Current - Output         15mA           Tolerance         ±0.04%           Temperature Coefficient         3ppm/°C           Noise - 0.1Hz to 10Hz         1.5µVp-p           Noise - 10Hz to 10Hz         1.3µVrms           Voltage - Input         8 V ~ 36 V           Current - Supply         3mA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)           Supplier Device Package         8-PDIP |                              |  |
|--|------------------------------|--|
| Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         8-DIP (0.300", 7.62mm)           Series         -           Reference Type         Series, Buried Zener           Output Type         Fixed           Voltage - Output (Min/Fixed)         2.5 V           Voltage - Output (Max)         -           Current - Output         15mA           Tolerance         ±0.04%           Temperature Coefficient         3ppm/°C           Noise - 0.1Hz to 10Hz         1.5µVp-p           Noise - 10Hz to 10kHz         1.3µVrms           Voltage - Input         8 V ~ 36 V           Current - Supply         3mA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)  | Manufacturer Part Number     | MAX6225AEPA+                                       |
| Package         8-DIP (0.300", 7.62mm)           Series         -           Reference Type         Series, Buried Zener           Output Type         Fixed           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Current - Output         15mA           Tolerance         ±0.04%           Temperature Coefficient         3ppm/°C           Noise - 0.1Hz to 10Hz         1.5μVp-p           Noise - 10Hz to 10kHz         1.3μVrms           Voltage - Input         8 V ~ 36 V           Current - Supply         3mA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)   | Manufacturer                 | Maxim Integrated                                   |
| Package         8-DIP (0.300", 7.62mm)           Series         -           Reference Type         Series, Buried Zener           Output Type         Fixed           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Current - Output         15mA           Tolerance         ±0.04%           Temperature Coefficient         3ppm/°C           Noise - 0.1Hz to 10Hz         1.5μVp-p           Noise - 10Hz to 10kHz         1.3μVrms           Voltage - Input         8 V ~ 36 V           Current - Supply         3mA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)   | Category                     | Integrated Circuits (ICs)                          |
| Series         -           Reference Type         Series, Buried Zener           Output Type         Fixed           Voltage - Output (Min/Fixed)         2.5 V           Voltage - Output (Max)         -           Current - Output         15mA           Tolerance         ±0.04%           Temperature Coefficient         3ppm/°C           Noise - 0.1Hz to 10Hz         1.5μVp-p           Noise - 10Hz to 10kHz         1.3μVrms           Voltage - Input         8 V ~ 36 V           Current - Supply         3mA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         8-DIP (0.300", 7.62mm)   |                              | PMIC - Voltage Reference                           |
| Reference TypeSeries, Buried ZenerOutput TypeFixedVoltage - Output (Min/Fixed) $2.5V$ Voltage - Output (Max)-Current - Output $15mA$ Tolerance $\pm 0.04\%$ Temperature Coefficient $3ppm/^{\circ}C$ Noise - $0.1Hz$ to $10Hz$ $1.5\mu Vp-p$ Noise - $10Hz$ to $10kHz$ $1.3\mu Vrms$ Voltage - Input $8 V \sim 36 V$ Current - Supply $3mA$ Current - Cathode-Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)Mounting TypeThrough HolePackage / Case $8-DIP (0.300^{\circ}, 7.62mm)$  | Package                      | 8-DIP (0.300", 7.62mm)                             |
| Output TypeFixedVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)-Current - Output15mATolerance±0.04%Temperature Coefficient3ppm/°CNoise - 0.1Hz to 10Hz1.5μVp-pNoise - 10Hz to 10kHz1.3μVrmsVoltage - Input8 V ~ 36 VCurrent - Supply3mACurrent - Cathode-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeThrough HolePackage / Case8-DIP (0.300", 7.62mm)  | Series                       | -  |
| Voltage - Output (Min/Fixed)  Voltage - Output (Max)  - Current - Output  15mA  Tolerance $\pm 0.04\%$ Temperature Coefficient  3ppm/°C  Noise - 0.1Hz to 10Hz  1.5 $\mu$ Vp-p  Noise - 10Hz to 10kHz  1.3 $\mu$ Vrms  Voltage - Input  8 V ~ 36 V  Current - Supply  3mA  Current - Cathode  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Package / Case  8-DIP (0.300", 7.62mm)  | Reference Type               | Series, Buried Zener                               |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$  | Output Type                  | Fixed  |
| Current - Output $15mA$ Tolerance $\pm 0.04\%$ Temperature Coefficient $3ppm/^{\circ}C$ Noise - $0.1Hz$ to $10Hz$ $1.5\mu Vp-p$ Noise - $10Hz$ to $10kHz$ $1.3\mu Vrms$ Voltage - Input $8 V \sim 36 V$ Current - Supply $3mA$ Current - Cathode-Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)Mounting TypeThrough HolePackage / Case $8-DIP (0.300'', 7.62mm)$   | Voltage - Output (Min/Fixed) | 2.5V   |
| Tolerance $\pm 0.04\%$ Temperature Coefficient $3ppm/^{\circ}C$ Noise - $0.1Hz$ to $10Hz$ $1.5\mu Vp-p$ Noise - $10Hz$ to $10kHz$ $1.3\mu Vrms$ Voltage - Input $8 V \sim 36 V$ Current - Supply $3mA$ Current - Cathode - Current - Cathode - Horizontal Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)  Mounting Type Through Hole Package / Case $8-DIP (0.300'', 7.62mm)$  | Voltage - Output (Max)       | -  |
| Temperature Coefficient 3ppm/°C  Noise - $0.1$ Hz to $10$ Hz  1.5 $\mu$ Vp-p  Noise - $10$ Hz to $10$ kHz  1.3 $\mu$ Vrms  Voltage - Input  8 V ~ $36$ V  Current - Supply  3mA  Current - Cathode  Operating Temperature  -40°C ~ $85$ °C (TA)  Mounting Type  Through Hole  Package / Case  8-DIP ( $0.300$ ", $7.62$ mm)  | Current - Output             | 15mA   |
| Noise - 0.1Hz to 10Hz $1.5\mu V p-p$ $Noise - 10Hz to 10kHz$ $1.3\mu V rms$ $Voltage - Input$ $8 V \sim 36 V$ $Current - Supply$ $3mA$ $Current - Cathode - Operating Temperature -40^{\circ}C \sim 85^{\circ}C (TA) Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)$   | Tolerance                    | ±0.04%   |
| Noise - 10Hz to 10kHz $1.3\mu Vrms$ $Voltage - Input$ $8 \ V \sim 36 \ V$ $Current - Supply$ $3mA$ $Current - Cathode - Operating Temperature -40^{\circ}C \sim 85^{\circ}C \ (TA) Mounting Type Through Hole Package / Case 8-DIP \ (0.300", 7.62mm)$   | Temperature Coefficient      | 3ppm/°C  |
| Voltage - Input $8\ V \sim 36\ V$ Current - Supply $3mA$ Current - Cathode - Operating Temperature $-40^{\circ}C \sim 85^{\circ}C\ (TA)$ Mounting Type Through Hole Package / Case $8-DIP\ (0.300'', 7.62mm)$  | Noise - 0.1Hz to 10Hz        | 1.5μVp-p   |
| Current - Supply  3mA  Current - Cathode  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Through Hole  Package / Case  8-DIP (0.300", 7.62mm)  | Noise - 10Hz to 10kHz        | 1.3µVrms   |
| Current - Cathode - Operating Temperature -40°C ~ 85°C (TA) Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)   | Voltage - Input              | 8 V ~ 36 V   |
| Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Through Hole  Package / Case 8-DIP (0.300", 7.62mm)   | Current - Supply             | 3mA  |
| Mounting Type Through Hole Package / Case 8-DIP (0.300", 7.62mm)   | Current - Cathode            | -  |
| Package / Case 8-DIP (0.300", 7.62mm)  | Operating Temperature        | $-40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)}$ |
| •  | Mounting Type                | Through Hole                                       |
| Supplier Device Package 8-PDIP   | Package / Case               | 8-DIP (0.300", 7.62mm)                             |
|  | Supplier Device Package      | 8-PDIP   |
| Report errors?   |                              | Report errors?                                     |

#### MAX6225AEPA+ 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.

## **MAX6225AEPA+ Payment Methods**





















### MAX6225AEPA+ Shipping Methods













If you have any question about MAX6225AEPA+, please do not hesitate to contact us!

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