

## MAX8559ETAAJ+T

#### **MAX8559ETAAJ+T Information**

|                    | <br>MAX8559ETAAJ+T<br>Maxim Integrated<br>Integrated Circuits (ICs)<br>PMIC - Voltage Regulators - Linear<br>IC REG LINEAR 3.3V/2.85V 8TDFN<br>8-WDFN Exposed Pad<br>For the pricing/inventory/lead time, please contact<br>us |                 |
|--------------------|--|-----------------|
| For Reference Only | Website: https://www.heisener.com<br>E-mail: salesdept@heisener.com  | Request a Quote |

### **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.



#### MAX8559ETAAJ+T Specifications

| ManufacturerMaxim IntegratedCategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - LinearPackage8-WDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V,2.85VVoltage Output (Max)0.12V @ 100mA, 0.12V @ 100mACurrent - Output300mA, 300mACurrent - Output (Max)90µACurrent - Supply (Max)GablePSRR7dB ~ 54dB (10kHz ~ 100kHz)Protection FeaturesGover Current, Over Temperature, Short CircuitOperating Temperature4.0°C ~ 85°CMounting Type8.WDFN Exposed Pad  |                              |   |                |
|--|------------------------------|---|----------------|
| CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - LinearPackage8-WDFN Exposed PadSeries-Output ConfigurationPositiveOutput ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.85VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 100mA, 0.12V @ 100mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)290µAPSRR70dB ~ 54dB (10kHz ~ 100kHz)Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3) | Manufacturer Part Number     | MAX8559ETAAJ+T                                |                |
| PMIC - Voltage Regulators - LinearPackage8-WDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.85VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 100mA, 0.12V @ 100mACurrent - Output300mA, 300mACurrent - Output (Max)-Current - Quiescent (Iq)-Current - Supply (Max)290µAPSRR70dB ~ 54dB (10kHz ~ 100kHz)Protection FeaturesFinableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating TemperatureSuface MountPackage / CaseSwDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)   | Manufacturer                 | Maxim Integrated                              |                |
| Package8-WDFN Exposed PadSeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.85VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 100mA, 0.12V @ 100mACurrent - Output300mA, 300mACurrent - Output290µAPSRR70dB ~ 54dB (10kHz ~ 100kHz)Control FeaturesOver Current, Over Temperature, Short CircuitProtection FeaturesOver Current, Over Temperature, Short CircuitPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)  | Category                     | Integrated Circuits (ICs)                     |                |
| Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.85VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 100mA, 0.12V @ 100mAVoltage Dropout (Max)0.12V @ 100mA, 0.12V @ 100mACurrent - Output300mA, 300mACurrent - Output290μAPSRR70dB ~ 54dB (10kHz ~ 100kHz)Control FeaturesOver Current, Over Temperature, Short CircuitProtection Features40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)  |                              | PMIC - Voltage Regulators - Linear            |                |
| Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.85VVoltage - Output (Max)-Voltage - Output (Max)0.12V @ 100mA, 0.12V @ 100mAVoltage Dropout (Max)0.12V @ 100mA, 0.12V @ 100mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)290µAPSRR70dB ~ 54dB (10kHz ~ 100kHz)Control FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)  | Package                      | 8-WDFN Exposed Pad                            |                |
| PixedOutput TypeFixedNumber of Regulators2Voltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.85VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 100mA, 0.12V @ 100mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)290µAPSRR70dB ~ 54dB (10kHz ~ 100kHz)Control FeaturesDover Current, Over Temperature, Short CircuitOperating Temperature40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)   | Series                       | -   |                |
| Number of Regulators2Number of Regulators6.5VVoltage - Input (Max)6.5VVoltage - Output (Min/Fixed)3.3V, 2.85VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 100mA, 0.12V @ 100mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)290µAPSRR70dB ~ 54dB (10kHz ~ 100kHz)Control FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)  | Output Configuration         | Positive                                      |                |
| Voltage - Input (Max) 6.5V   Voltage - Output (Min/Fixed) 3.3V, 2.85V   Voltage - Output (Max) -   Voltage Dropout (Max) 0.12V @ 100mA, 0.12V @ 100mA   Current - Output 300mA, 300mA   Current - Quiescent (Iq) -   Current - Supply (Max) 290μA   PSRR 70dB ~ 54dB (10kHz ~ 100kHz)   Control Features Over Current, Over Temperature, Short Circuit   Operating Temperature -40°C ~ 85°C   Mounting Type Surface Mount   Package / Case 8-WDFN Exposed Pad   Supplier Device Package 8-TDFN-EP (3x3)  | Output Type                  | Fixed   |                |
| Voltage - Output (Min/Fixed)3.3V, 2.85VVoltage - Output (Max)-Voltage Dropout (Max)0.12V @ 100mA, 0.12V @ 100mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)290µAPSRR70dB ~ 54dB (10kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)   | Number of Regulators         | 2   |                |
| Voltage - Output (Max)-Voltage Dropout (Max)0.12V @ 100mA, 0.12V @ 100mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)290μAPSRR70dB ~ 54dB (10kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)  | Voltage - Input (Max)        | 6.5V  |                |
| Voltage Dropout (Max)0.12V @ 100mA, 0.12V @ 100mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)290μAPSRR70dB ~ 54dB (10kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)   | Voltage - Output (Min/Fixed) | 3.3V, 2.85V                                   |                |
| Current - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)290μAPSRR70dB ~ 54dB (10kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)  | Voltage - Output (Max)       | -   |                |
| Current - Quiescent (Iq)-Current - Supply (Max)290μAPSRR70dB ~ 54dB (10kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)  | Voltage Dropout (Max)        | 0.12V @ 100mA, 0.12V @ 100mA                  |                |
| Current - Supply (Max)290μAPSRR70dB ~ 54dB (10kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)   | Current - Output             | 300mA, 300mA                                  |                |
| PSRR70dB ~ 54dB (10kHz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)  | Current - Quiescent (Iq)     | -   |                |
| Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)  | Current - Supply (Max)       | 290µА   |                |
| Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)  | PSRR                         | 70dB ~ 54dB (10kHz ~ 100kHz)                  |                |
| Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)  | Control Features             | Enable  |                |
| Mounting TypeSurface MountPackage / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)   | Protection Features          | Over Current, Over Temperature, Short Circuit |                |
| Package / Case8-WDFN Exposed PadSupplier Device Package8-TDFN-EP (3x3)   | Operating Temperature        | -40°C ~ 85°C                                  |                |
| Supplier Device Package8-TDFN-EP (3x3)   | Mounting Type                | Surface Mount                                 |                |
|  | Package / Case               | 8-WDFN Exposed Pad                            |                |
| Report errors?   | Supplier Device Package      | 8-TDFN-EP (3x3)                               |                |
|  |                              |   | Report errors? |

#### MAX8559ETAAJ+T 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 BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### MAX8559ETAAJ+T Payment Methods



#### MAX8559ETAAJ+T Shipping Methods



If you have any question about MAX8559ETAAJ+T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com