



### **MAX985EBT-T Information**



For Reference Only

Part Number MAX985EBT-T

Manufacturer Maxim Integrated

Category Integrated Circuits (ICs)
Linear - Comparators

**Description** IC COMPARATOR R-R 6-UCSP

Package 6-WFBGA, CSPBGA

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.









## **MAX985EBT-T Specifications**

| Manufacturer Part Number         MAX985EBT-T           Manufacturer         Maxim Integrated           Category         Integrated Circuits (ICs)           Linear - Comparators         Integrated Circuits (ICs)           Package         6-WFBGA, CSPBGA           Series         -           Type         General Purpose           Number of Elements         1           Output Type         CMOS, Push-Pull, Rail-to-Rail, TTL           Voltage - Supply, Single/Dual (±)         2.5 V ~ 5.5 V, ±1.25 V ~ 2.75 V           Voltage - Input Offset (Max)         5nV @ 5.5V           Current - Input Bias (Max)         1pA @ 5.5V           Current - Output (Typ)         -           Current - Quiescent (Max)         24μA           CMRR, PSRR (Typ)         80dB CMRR, 80dB PSRR           Propagation Delay (Max)         450ns           Hysteresis         ±3mV           Operating Temperature         -40°C ~ 85°C           Package / Case         6-WFBGA, CSPBGA           Mounting Type         Surface Mount           Supplier Device Package         6-UCSP (1x1.52)           Report errors? | •                                 |                                    |
|---|-----------------------------------|------------------------------------|
| Category         Integrated Circuits (ICs)           Linear - Comparators           Package         6-WFBGA, CSPBGA           Series         -           Type         General Purpose           Number of Elements         1           Output Type         CMOS, Push-Pull, Rail-to-Rail, TTL           Voltage - Supply, Single/Dual (±)         2.5 V ~ 5.5 V, ±1.25 V ~ 2.75 V           Voltage - Input Offset (Max)         5mV @ 5.5V           Current - Input Bias (Max)         1pA @ 5.5V           Current - Output (Typ)         -           Current - Quiescent (Max)         24μA           CMRR, PSRR (Typ)         80dB CMRR, 80dB PSRR           Propagation Delay (Max)         450ns           Hysteresis         ±3mV           Operating Temperature         -40°C ~ 85°C           Package / Case         6-WFBGA, CSPBGA           Mounting Type         Surface Mount           Supplier Device Package         6-UCSP (1x1.52)   | Manufacturer Part Number          | MAX985EBT-T                        |
| Package         6-WFBGA, CSPBGA           Series         -           Type         General Purpose           Number of Elements         1           Output Type         CMOS, Push-Pull, Rail-to-Rail, TTL           Voltage - Supply, Single/Dual (±)         2.5 V ~ 5.5 V, ±1.25 V ~ 2.75 V           Voltage - Input Offset (Max)         5mV @ 5.5V           Current - Input Bias (Max)         1pA @ 5.5V           Current - Output (Typ)         -           Current - Quiescent (Max)         24μA           CMRR, PSRR (Typ)         80dB CMRR, 80dB PSRR           Propagation Delay (Max)         450ns           Hysteresis         ±3mV           Operating Temperature         -40°C ~ 85°C           Package / Case         6-WFBGA, CSPBGA           Mounting Type         Surface Mount           Supplier Device Package         6-UCSP (1x1.52)   | Manufacturer                      | Maxim Integrated                   |
| Package         6-WFBGA, CSPBGA           Series         -           Type         General Purpose           Number of Elements         1           Output Type         CMOS, Push-Pull, Rail-to-Rail, TTL           Voltage - Supply, Single/Dual (±)         2.5 V ~ 5.5 V, ±1.25 V ~ 2.75 V           Voltage - Input Offset (Max)         5mV @ 5.5V           Current - Input Bias (Max)         1pA @ 5.5V           Current - Output (Typ)         -           Current - Quiescent (Max)         24μA           CMRR, PSRR (Typ)         80dB CMRR, 80dB PSRR           Propagation Delay (Max)         450ns           Hysteresis         ±3mV           Operating Temperature         -40°C ~ 85°C           Package / Case         6-WFBGA, CSPBGA           Mounting Type         Surface Mount           Supplier Device Package         6-UCSP (1x1.52)   | Category                          | Integrated Circuits (ICs)          |
| Series - General Purpose  Number of Elements 1  Output Type CMOS, Push-Pull, Rail-to-Rail, TTL  Voltage - Supply, Single/Dual (±) 2.5 V ~ 5.5 V, ±1.25 V ~ 2.75 V  Voltage - Input Offset (Max) 5mV @ 5.5V  Current - Input Bias (Max) 1pA @ 5.5V  Current - Output (Typ) - Current - Quiescent (Max) 24µA  CMRR, PSRR (Typ) 80dB CMRR, 80dB PSRR  Propagation Delay (Max) 450ns  Hysteresis ±3mV  Operating Temperature -40°C ~ 85°C  Package / Case 6-WFBGA, CSPBGA  Mounting Type Surface Mount  Supplier Device Package 6-UCSP (1x1.52)   |                                   | Linear - Comparators               |
| TypeGeneral PurposeNumber of Elements1Output TypeCMOS, Push-Pull, Rail-to-Rail, TTLVoltage - Supply, Single/Dual (±)2.5 V ~ 5.5 V, ±1.25 V ~ 2.75 VVoltage - Input Offset (Max)5mV @ 5.5VCurrent - Input Bias (Max)1pA @ 5.5VCurrent - Output (Typ)-Current - Quiescent (Max)24μACMRR, PSRR (Typ)80dB CMRR, 80dB PSRRPropagation Delay (Max)450nsHysteresis±3mVOperating Temperature-40°C ~ 85°CPackage / Case6-WFBGA, CSPBGAMounting TypeSurface MountSupplier Device Package6-UCSP (1x1.52)   | Package                           | 6-WFBGA, CSPBGA                    |
| Number of Elements1Output TypeCMOS, Push-Pull, Rail-to-Rail, TTLVoltage - Supply, Single/Dual (±)2.5 V ~ 5.5 V, ±1.25 V ~ 2.75 VVoltage - Input Offset (Max)5mV @ 5.5VCurrent - Input Bias (Max)1pA @ 5.5VCurrent - Output (Typ)-Current - Quiescent (Max)24μACMRR, PSRR (Typ)80dB CMRR, 80dB PSRRPropagation Delay (Max)450nsHysteresis±3mVOperating Temperature-40°C ~ 85°CPackage / Case6-WFBGA, CSPBGAMounting TypeSurface MountSupplier Device Package6-UCSP (1x1.52)  | Series                            | -                                  |
| Output TypeCMOS, Push-Pull, Rail-to-Rail, TTLVoltage - Supply, Single/Dual (±)2.5 V ~ 5.5 V, ±1.25 V ~ 2.75 VVoltage - Input Offset (Max)5mV @ 5.5VCurrent - Input Bias (Max)1pA @ 5.5VCurrent - Output (Typ)-Current - Quiescent (Max)24μACMRR, PSRR (Typ)80dB CMRR, 80dB PSRRPropagation Delay (Max)450nsHysteresis±3mVOperating Temperature-40°C ~ 85°CPackage / Case6-WFBGA, CSPBGAMounting TypeSurface MountSupplier Device Package6-UCSP (1x1.52)   | Type                              | General Purpose                    |
| Voltage - Supply, Single/Dual (±)2.5 V ~ 5.5 V, ±1.25 V ~ 2.75 VVoltage - Input Offset (Max)5mV @ 5.5VCurrent - Input Bias (Max)1pA @ 5.5VCurrent - Output (Typ)-Current - Quiescent (Max)24μACMRR, PSRR (Typ)80dB CMRR, 80dB PSRRPropagation Delay (Max)450nsHysteresis±3mVOperating Temperature-40°C ~ 85°CPackage / Case6-WFBGA, CSPBGAMounting TypeSurface MountSupplier Device Package6-UCSP (1x1.52)  | Number of Elements                | 1                                  |
| Voltage - Input Offset (Max)  Current - Input Bias (Max)  1pA @ 5.5V  Current - Output (Typ)  - Current - Quiescent (Max)  24μA  CMRR, PSRR (Typ)  80dB CMRR, 80dB PSRR  Propagation Delay (Max)  450ns  Hysteresis  ±3mV  Operating Temperature  -40°C ~ 85°C  Package / Case  Mounting Type  Surface Mount  Supplier Device Package  6-UCSP (1x1.52)  | Output Type                       | CMOS, Push-Pull, Rail-to-Rail, TTL |
| Current - Input Bias (Max)  Current - Output (Typ)  - Current - Quiescent (Max)  CMRR, PSRR (Typ)  Propagation Delay (Max)  Hysteresis  ±3mV  Operating Temperature  -40°C ~ 85°C  Package / Case  Mounting Type  Surface Mount  Supplier Device Package  6-UCSP (1x1.52)   | Voltage - Supply, Single/Dual (±) | 2.5 V ~ 5.5 V, ±1.25 V ~ 2.75 V    |
| Current - Output (Typ)  Current - Quiescent (Max)  CMRR, PSRR (Typ)  80dB CMRR, 80dB PSRR  Propagation Delay (Max)  450ns  Hysteresis  ±3mV  Operating Temperature  -40°C ~ 85°C  Package / Case  6-WFBGA, CSPBGA  Mounting Type  Surface Mount  Supplier Device Package  6-UCSP (1x1.52)   | Voltage - Input Offset (Max)      | 5mV @ 5.5V                         |
| Current - Quiescent (Max)24μACMRR, PSRR (Typ)80dB CMRR, 80dB PSRRPropagation Delay (Max)450nsHysteresis±3mVOperating Temperature-40°C ~ 85°CPackage / Case6-WFBGA, CSPBGAMounting TypeSurface MountSupplier Device Package6-UCSP (1x1.52)   | Current - Input Bias (Max)        | 1pA @ 5.5V                         |
| CMRR, PSRR (Typ)  80dB CMRR, 80dB PSRR  Propagation Delay (Max)  450ns  Hysteresis  ±3mV  Operating Temperature  -40°C ~ 85°C  Package / Case  6-WFBGA, CSPBGA  Mounting Type  Surface Mount  Supplier Device Package  6-UCSP (1x1.52)  | Current - Output (Typ)            | -                                  |
| Propagation Delay (Max) $450 \text{ns}$ Hysteresis $\pm 3 \text{mV}$ Operating Temperature $-40 ^{\circ}\text{C} \sim 85 ^{\circ}\text{C}$ Package / Case $6\text{-WFBGA, CSPBGA}$ Mounting TypeSurface MountSupplier Device Package $6\text{-UCSP (1x1.52)}$   | Current - Quiescent (Max)         | 24μΑ                               |
| Hysteresis $\pm 3\text{mV}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case6-WFBGA, CSPBGAMounting TypeSurface MountSupplier Device Package6-UCSP (1x1.52)   | CMRR, PSRR (Typ)                  | 80dB CMRR, 80dB PSRR               |
| Operating Temperature  -40°C ~ 85°C  Package / Case  6-WFBGA, CSPBGA  Mounting Type  Surface Mount  Supplier Device Package  6-UCSP (1x1.52)  | Propagation Delay (Max)           | 450ns                              |
| Package / Case 6-WFBGA, CSPBGA  Mounting Type Surface Mount  Supplier Device Package 6-UCSP (1x1.52)  | Hysteresis                        | ±3mV                               |
| Mounting Type Surface Mount Supplier Device Package 6-UCSP (1x1.52)   | Operating Temperature             | -40°C ~ 85°C                       |
| Supplier Device Package 6-UCSP (1x1.52)   | Package / Case                    | 6-WFBGA, CSPBGA                    |
| ••  | Mounting Type                     | Surface Mount                      |
| Report errors?  | Supplier Device Package           | 6-UCSP (1x1.52)                    |
|   |                                   | Report errors?                     |

#### **MAX985EBT-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 Guarantees**

We guarantee 100% customer satisfaction.

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

# **MAX985EBT-T Payment Methods**





















## **MAX985EBT-T Shipping Methods**













If you have any question about MAX985EBT-T, please do not hesitate to contact us!

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