

## LTC2058IMSE#PBF

### LTC2058IMSE#PBF Information



For Reference Only

Part Number LTC2058IMSE#PBF
Manufacturer Linear Technology
Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** 36V, LOW NOISE ZERO-DRIFT OPERAT

**Package** 12-TSSOP (0.118", 3.00mm Width)

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.









## LTC2058IMSE#PBF Specifications

Manufacturer Part Number         LTC2058IMSE#PBF           Manufacturer         Linear Technology           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         12-TSSOP (0.118", 3.00mm Width)           Series         -           Amplifier Type         Zero-Drift           Number of Circuits         2           Output Type         Rail-to-Rail           Slew Rate         1.6 V/μs           Gain Bandwidth Product         2.5MHz           -3db Bandwidth         -           Current - Input Bias         30pA           Voltage - Input Offset         0.5μV           Current - Supply         1mA           Current - Output / Channel         36mA           Voltage - Supply, Single/Dual (±)         4.75 V ~ 36 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         12-TSSOP (0.118", 3.00mm Width)           Supplier Device Package         12-MSOP-EP		
Category         Integrated Circuits (ICs)           Package         12-TSSOP (0.118", 3.00mm Width)           Series         -           Amplifier Type         Zero-Drift           Number of Circuits         2           Output Type         Rail-to-Rail           Slew Rate         1.6 V/μs           Gain Bandwidth Product         2.5MHz           -3db Bandwidth         -           Current - Input Bias         30pA           Voltage - Input Offset         0.5μV           Current - Output / Channel         36mA           Voltage - Supply, Single/Dual (±)         4.75 V ~ 36 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         12-TSSOP (0.118", 3.00mm Width)	Manufacturer Part Number	LTC2058IMSE#PBF
Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         12-TSSOP (0.118", 3.00mm Width)           Series         -           Amplifier Type         Zero-Drift           Number of Circuits         2           Output Type         Rail-to-Rail           Slew Rate         1.6 V/μs           Gain Bandwidth Product         2.5MHz           -3db Bandwidth         -           Current - Input Bias         30pA           Voltage - Input Offset         0.5μV           Current - Supply         ImA           Current - Output / Channel         36mA           Voltage - Supply, Single/Dual (±)         4.75 V ~ 36 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         12-TSSOP (0.118", 3.00mm Width)	Manufacturer	Linear Technology
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Series - Amplifier Type Zero-Drift   Number of Circuits 2   Output Type Rail-to-Rail   Slew Rate 1.6 V/ $\mu$ s   Gain Bandwidth Product 2.5MHz   -3db Bandwidth   - Current - Input Bias 30pA   Voltage - Input Offset 0.5 $\mu$ V   Current - Supply 1mA   Current - Output / Channel 36mA   Voltage - Supply, Single/Dual ( $\pm$ ) 4.75 V ~ 36 V   Operating Temperature   -40°C ~ 85°C   Mounting Type Surface Mount   Package / Case 12-TSSOP (0.118", 3.00mm Width)		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier Type Number of Circuits 2 Output Type Rail-to-Rail Slew Rate 1.6 V/μs Gain Bandwidth Product 2.5MHz -3db Bandwidth - Current - Input Bias 30pA Voltage - Input Offset 0.5μV Current - Output / Channel Voltage - Supply, Single/Dual (±) 4.75 V ~ 36 V Operating Temperature Mounting Type Surface Mount Package / Case 12-TSSOP (0.118", 3.00mm Width)	Package	12-TSSOP (0.118", 3.00mm Width)
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Output Type Rail-to-Rail  Slew Rate 1.6 V/ $\mu$ s  Gain Bandwidth Product 2.5MHz  -3db Bandwidth  - Current - Input Bias 30pA  Voltage - Input Offset 0.5 $\mu$ V  Current - Supply 1mA  Current - Output / Channel 36mA  Voltage - Supply, Single/Dual ( $\pm$ ) 4.75 V ~ 36 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 12-TSSOP (0.118", 3.00mm Width)	Amplifier Type	Zero-Drift
Slew Rate $ \begin{array}{ccc} 1.6 \text{ V/}\mu\text{s} \\ \text{Gain Bandwidth Product} & 2.5 \text{MHz} \\ -3 \text{db Bandwidth} & - \\ \text{Current - Input Bias} & 30 \text{pA} \\ \text{Voltage - Input Offset} & 0.5 \mu\text{V} \\ \text{Current - Supply} & 1 \text{mA} \\ \text{Current - Output / Channel} & 36 \text{mA} \\ \text{Voltage - Supply, Single/Dual (\pm)} & 4.75 V ~ 36 V \\ \text{Operating Temperature} & -40^{\circ}\text{C} ~ 85^{\circ}\text{C} \\ \text{Mounting Type} & \text{Surface Mount} \\ \text{Package / Case} & 12-\text{TSSOP (0.118", 3.00mm Width)} \\ \end{array} $	Number of Circuits	2
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Output Type	Rail-to-Rail
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Slew Rate	1.6 V/μs
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Gain Bandwidth Product	2.5MHz
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	-3db Bandwidth	-
Current - Supply 1mA  Current - Output / Channel 36mA  Voltage - Supply, Single/Dual (±) 4.75 V ~ 36 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 12-TSSOP (0.118", 3.00mm Width)	Current - Input Bias	30pA
Current - Output / Channel 36mA  Voltage - Supply, Single/Dual ( $\pm$ ) 4.75 V ~ 36 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 12-TSSOP (0.118", 3.00mm Width)	Voltage - Input Offset	0.5μV
Voltage - Supply, Single/Dual ( $\pm$ ) 4.75 V ~ 36 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 12-TSSOP (0.118", 3.00mm Width)	Current - Supply	1mA
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case 12-TSSOP (0.118", 3.00mm Width)	Current - Output / Channel	36mA
Mounting Type Surface Mount Package / Case 12-TSSOP (0.118", 3.00mm Width)	Voltage - Supply, Single/Dual (±)	4.75 V ~ 36 V
Package / Case 12-TSSOP (0.118", 3.00mm Width)	Operating Temperature	-40°C ~ 85°C
	Mounting Type	Surface Mount
Supplier Device Package 12-MSOP-EP	Package / Case	12-TSSOP (0.118", 3.00mm Width)
	Supplier Device Package	12-MSOP-EP
Report errors		Report errors?

#### LTC2058IMSE#PBF 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.

### LTC2058IMSE#PBF Payment Methods



















## LTC2058IMSE#PBF Shipping Methods













If you have any question about LTC2058IMSE#PBF, please do not hesitate to contact us!

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