

# LTC2057HVHMS#PBF

### LTC2057HVHMS#PBF Information



For Reference Only

Part Number LTC2057HVHMS#PBF
Manufacturer Linear Technology
Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description**IC OPAMP ZRO-DRFT 1.5MHZ 10MSOP**Package**10-TFSOP, 10-MSOP (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.









## LTC2057HVHMS#PBF Specifications

Manufacturer Part Number         LTC2057HVHMS#PBF           Manufacturer         Linear Technology           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         10-TFSOP, 10-MSOP (0.118", 3.00mm Width)           Series         -           Amplifier Type         Zero-Drift           Number of Circuits         1           Output Type         Rail-to-Rail           Slew Rate         0.45 V/μs           Gain Bandwidth Product         1.5MHz           -3db Bandwidth         -           Current - Input Bias         30pA           Voltage - Input Offset         0.5μV           Current - Supply         900μA           Current - Output / Channel         30mA           Voltage - Supply, Single/Dual (±)         4.75 V ~ 60 V, ±2.38 V ~ 30 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         10-TFSOP, 10-MSOP (0.118", 3.00mm Width)           Supplier Device Package         10-MSOP		
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PackageLinear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage $10\text{-TFSOP}$ , $10\text{-MSOP}$ ( $0.118$ ", $3.00\text{mm}$ Width)Series-Amplifier TypeZero-DriftNumber of Circuits $1$ Output TypeRail-to-RailSlew Rate $0.45 \text{ V/µs}$ Gain Bandwidth Product $1.5\text{MHz}$ -3db Bandwidth-Current - Input Bias $30\text{pA}$ Voltage - Input Offset $0.5\text{µV}$ Current - Supply $900\text{µA}$ Current - Output / Channel $30\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $4.75 \text{ V} \sim 60 \text{ V}, \pm 2.38 \text{ V} \sim 30 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $10\text{-TFSOP}$ , $10\text{-MSOP}$ ( $0.118$ ", $3.00\text{mm}$ Width)Supplier Device Package $10\text{-MSOP}$	Manufacturer	Linear Technology
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Output Type Rail-to-Rail  Slew Rate 0.45 V/ $\mu$ s  Gain Bandwidth Product 1.5MHz  -3db Bandwidth  -Current - Input Bias 30pA  Voltage - Input Offset 0.5 $\mu$ V  Current - Supply 900 $\mu$ A  Current - Output / Channel 30mA  Voltage - Supply, Single/Dual ( $\pm$ ) 4.75 V ~ 60 V, $\pm$ 2.38 V ~ 30 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)  Supplier Device Package 10-MSOP	Amplifier Type	Zero-Drift
Slew Rate $0.45 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $1.5\text{MHz}$ -3db Bandwidth -  Current - Input Bias $30\text{pA}$ Voltage - Input Offset $0.5\mu\text{V}$ Current - Supply $900\mu\text{A}$ Current - Output / Channel $30\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $4.75 \text{ V} \sim 60 \text{ V}, \pm 2.38 \text{ V} \sim 30 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case $10\text{-TFSOP}, 10\text{-MSOP}$ $(0.118^{\circ}, 3.00\text{mm Width})$ Supplier Device Package $10\text{-MSOP}$	Number of Circuits	1
Gain Bandwidth Product  -3db Bandwidth  - Current - Input Bias  30pA  Voltage - Input Offset  0.5 $\mu$ V  Current - Supply  900 $\mu$ A  Current - Output / Channel  30mA  Voltage - Supply, Single/Dual ( $\pm$ )  4.75 V ~ 60 V, $\pm$ 2.38 V ~ 30 V  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  10-TFSOP, 10-MSOP (0.118", 3.00mm Width)  Supplier Device Package	Output Type	Rail-to-Rail
$-3 db \ Bandwidth \\ -Current - Input \ Bias \\ 30 pA \\ Voltage - Input \ Offset \\ 0.5 \mu V \\ Current - Supply \\ 900 \mu A \\ Current - Output / Channel \\ 30 mA \\ Voltage - Supply, Single/Dual (\pm) 4.75 \ V \sim 60 \ V, \pm 2.38 \ V \sim 30 \ V \\ Operating \ Temperature \\ -40^{\circ}C \sim 125^{\circ}C \\ Mounting \ Type \\ Surface \ Mount \\ Package / Case \\ 10-TFSOP, 10-MSOP (0.118", 3.00mm \ Width) \\ Supplier \ Device \ Package \\ 10-MSOP$	Slew Rate	0.45 V/μs
Current - Input Bias $30pA$ Voltage - Input Offset $0.5\mu V$ Current - Supply $900\mu A$ Current - Output / Channel $30mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $4.75 \ V \sim 60 \ V, \pm 2.38 \ V \sim 30 \ V$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type Surface Mount  Package / Case $10$ -TFSOP, $10$ -MSOP $(0.118^{\circ}, 3.00mm \ Width)$ Supplier Device Package $10$ -MSOP	Gain Bandwidth Product	1.5MHz
Voltage - Input Offset $0.5\mu V$ Current - Supply $900\mu A$ Current - Output / Channel $30mA$ Voltage - Supply, Single/Dual (±) $4.75 \text{ V} \sim 60 \text{ V}, \pm 2.38 \text{ V} \sim 30 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $10\text{-TFSOP}, 10\text{-MSOP}$ ( $0.118\text{"}, 3.00\text{mm}$ Width)Supplier Device Package $10\text{-MSOP}$	-3db Bandwidth	-
Current - Supply 900 $\mu$ A  Current - Output / Channel 30mA  Voltage - Supply, Single/Dual (±) 4.75 V ~ 60 V, ±2.38 V ~ 30 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)  Supplier Device Package 10-MSOP	Current - Input Bias	30pA
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Voltage - Supply, Single/Dual ( $\pm$ ) 4.75 V ~ 60 V, $\pm$ 2.38 V ~ 30 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Current - Supply	900μΑ
Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)  Supplier Device Package 10-MSOP	Current - Output / Channel	30mA
Mounting Type Surface Mount  Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width)  Supplier Device Package 10-MSOP	Voltage - Supply, Single/Dual (±)	4.75 V ~ 60 V, ±2.38 V ~ 30 V
Package / Case 10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Supplier Device Package 10-MSOP	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 10-MSOP	Mounting Type	Surface Mount
	Package / Case	10-TFSOP, 10-MSOP (0.118", 3.00mm Width)
Report errors?	Supplier Device Package	10-MSOP
		Report errors?

#### LTC2057HVHMS#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.

### LTC2057HVHMS#PBF Payment Methods





















## LTC2057HVHMS#PBF Shipping Methods













If you have any question about LTC2057HVHMS#PBF, please do not hesitate to contact us!

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