



### LT1810IS8#PBF Information



For Reference Only

Part NumberLT1810IS8#PBFManufacturerLinear TechnologyCategoryIntegrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 180MHZ RRO 8SO **Package** 8-SOIC (0.154", 3.90mm 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.









## LT1810IS8#PBF Specifications

Manufacturer Part Number         LT1810IS8#PBF           Manufacturer         Linear Technology           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Amplifier Type         General Purpose           Number of Circuits         2           Output Type         Rail-to-Rail           Slew Rate         350 V/µs           Gain Bandwidth Product         180MHz           -3db Bandwidth         320MHz           Current - Input Bias         12.5µA           Voltage - Input Offset         800µV           Current - Supply         15mA           Current - Output / Channel         85mA           Voltage - Supply, Single/Dual (±)         2.5 V ~ 12.6 V, ±1.25 V ~ 6.3 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SO		
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Number of Circuits2Output TypeRail-to-RailSlew Rate $350 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $180\text{MHz}$ -3db Bandwidth $320\text{MHz}$ Current - Input Bias $12.5\mu\text{A}$ Voltage - Input Offset $800\mu\text{V}$ Current - Supply $15\text{mA}$ Current - Output / Channel $85\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.5 \text{ V} \sim 12.6 \text{ V}, \pm 1.25 \text{ V} \sim 6.3 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8-\text{SOIC} (0.154^{\circ}, 3.90\text{mm Width})$ Supplier Device Package $8-\text{SO}$	Series	-
Output Type  Rail-to-Rail  Slew Rate  350 V/µs  Gain Bandwidth Product  180MHz  -3db Bandwidth  Current - Input Bias  12.5µA  Voltage - Input Offset  800µV  Current - Supply  15mA  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  Operating Temperature  40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Amplifier Type	General Purpose
Slew Rate 350 V/ $\mu$ s Gain Bandwidth Product 180MHz  -3db Bandwidth 320MHz  Current - Input Bias 12.5 $\mu$ A  Voltage - Input Offset 800 $\mu$ V  Current - Supply 15mA  Current - Output / Channel 85mA  Voltage - Supply, Single/Dual ( $\pm$ ) 2.5 V ~ 12.6 V, $\pm$ 1.25 V ~ 6.3 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SO	Number of Circuits	2
Gain Bandwidth Product  -3db Bandwidth  320MHz  Current - Input Bias  12.5μA  Voltage - Input Offset  800μV  Current - Supply  15mA  Current - Output / Channel  85mA  Voltage - Supply, Single/Dual (±)  2.5 V ~ 12.6 V, ±1.25 V ~ 6.3 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Output Type	Rail-to-Rail
$-3 db \ Bandwidth \\ Current - Input \ Bias \\ 12.5 \mu A \\ Voltage - Input \ Offset \\ 800 \mu V \\ Current - Supply \\ 15 m A \\ Current - Output / Channel \\ 85 m A \\ Voltage - Supply, Single/Dual (\pm) 2.5 \ V \sim 12.6 \ V, \pm 1.25 \ V \sim 6.3 \ V \\ Operating \ Temperature \\ -40^{\circ}C \sim 85^{\circ}C \\ Mounting \ Type \\ Surface \ Mount \\ Package / Case \\ 8-SOIC (0.154", 3.90 mm \ Width) \\ Supplier \ Device \ Package \\ 8-SO$	Slew Rate	350 V/μs
Current - Input Bias $12.5 \mu A$ Voltage - Input Offset $800 \mu V$ Current - Supply $15 m A$ Current - Output / Channel $85 m A$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.5 \ V \sim 12.6 \ V, \pm 1.25 \ V \sim 6.3 \ V$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Mounting Type $Surface \ Mount$ Package / Case $8-SOIC \ (0.154'', 3.90 mm \ Width)$ Supplier Device Package $8-SO$	Gain Bandwidth Product	180MHz
$Voltage - Input Offset \\ S00\mu V \\ Current - Supply \\ 15mA \\ Current - Output / Channel \\ 85mA \\ Voltage - Supply, Single/Dual (\pm)  2.5 \text{ V} \sim 12.6 \text{ V}, \pm 1.25 \text{ V} \sim 6.3 \text{ V} \\ Operating Temperature \\ -40^{\circ}\text{C} \sim 85^{\circ}\text{C} \\ Mounting Type \\ Surface Mount \\ Package / Case \\ 8-SOIC (0.154", 3.90mm Width) \\ Supplier Device Package \\ 8-SO \\                                   $	-3db Bandwidth	320MHz
Current - Supply 15mA  Current - Output / Channel 85mA  Voltage - Supply, Single/Dual (±) 2.5 V ~ 12.6 V, ±1.25 V ~ 6.3 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SO	Current - Input Bias	12.5μΑ
Current - Output / Channel $85mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.5 \text{ V} \sim 12.6 \text{ V}, \pm 1.25 \text{ V} \sim 6.3 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-SOIC } (0.154\text{"}, 3.90\text{mm Width})$ Supplier Device Package $8\text{-SOIC } (0.154\text{"}, 3.90\text{mm Width})$	Voltage - Input Offset	$800\mu V$
Voltage - Supply, Single/Dual ( $\pm$ ) 2.5 V ~ 12.6 V, $\pm$ 1.25 V ~ 6.3 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Current - Supply	15mA
Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO	Current - Output / Channel	85mA
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Voltage - Supply, Single/Dual (±)	2.5 V ~ 12.6 V, ±1.25 V ~ 6.3 V
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 8-SO	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SO
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#### LT1810IS8#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.

# LT1810IS8#PBF Payment Methods



















## LT1810IS8#PBF Shipping Methods













If you have any question about LT1810IS8#PBF, please do not hesitate to contact us!

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