



### LT1679IS#PBF Information



For Reference Only

Part Number LT1679IS#PBF
Manufacturer Linear Technology
Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 20MHZ RRO 14SO **Package** 14-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.









## LT1679IS#PBF Specifications

Manufacturer Part Number         LT1679IS#PBF           Manufacturer         Linear Technology           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         14-SOIC (0.154", 3.90mm Width)           Series         -           Amplifier Type         General Purpose           Number of Circuits         4           Output Type         Rail-to-Rail           Slew Rate         6 V/µs           Gain Bandwidth Product         20MHz           -3db Bandwidth         -           Current - Input Bias         2nA           Voltage - Input Offset         20µV           Current - Supply         2.5mA           Current - Output / Channel         35mA           Voltage - Supply, Single/Dual (±)         2.7 V ~ 36 V, ±1.35 V ~ 18 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         14-SOIC (0.154", 3.90mm Width)           Supplier Device Package         14-SOI		
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Number of Circuits 4 Output Type Rail-to-Rail Slew Rate 6 $V/\mu s$ Gain Bandwidth Product 20MHz -3db Bandwidth - Current - Input Bias 2nA Voltage - Input Offset 20 $\mu V$ Current - Supply 2.5mA Current - Output / Channel 35mA Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 $V \sim 36 V$ , $\pm 1.35 V \sim 18 V$ Operating Temperature -40°C $\sim 85$ °C Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SO	Series	-
Output Type Rail-to-Rail  Slew Rate $6 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $20\text{MHz}$ -3db Bandwidth  -  Current - Input Bias $2\text{nA}$ Voltage - Input Offset $20\mu\text{V}$ Current - Supply $2.5\text{mA}$ Current - Output / Channel $35\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.7 \text{ V} \sim 36 \text{ V}, \pm 1.35 \text{ V} \sim 18 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $14\text{-SOIC}$ (0.154", 3.90mm Width)  Supplier Device Package $14\text{-SOI}$	Amplifier Type	General Purpose
Slew Rate $6 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $20\text{MHz}$ $-3\text{db}$ Bandwidth $-$ Current - Input Bias $2\text{nA}$ Voltage - Input Offset $20\mu\text{V}$ Current - Supply $2.5\text{mA}$ Current - Output / Channel $35\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.7 \text{ V} \sim 36 \text{ V}, \pm 1.35 \text{ V} \sim 18 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case $-40^{\circ}\text{C} = 40^{\circ}\text{C} = 40^{$	Number of Circuits	4
Gain Bandwidth Product 20MHz -3db Bandwidth - Current - Input Bias 2nA   Voltage - Input Offset 20 $\mu$ V   Current - Supply 2.5mA   Current - Output / Channel 35mA   Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 36 V, $\pm$ 1.35 V ~ 18 V   Operating Temperature -40°C ~ 85°C   Mounting Type Surface Mount   Package / Case 14-SOIC (0.154", 3.90mm Width)   Supplier Device Package 14-SO	Output Type	Rail-to-Rail
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Slew Rate	6 V/μs
Current - Input Bias $2nA$ Voltage - Input Offset $20\mu V$ Current - Supply $2.5mA$ Current - Output / Channel $35mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.7 \text{ V} \sim 36 \text{ V}, \pm 1.35 \text{ V} \sim 18 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $14\text{-SOIC}$ ( $0.154^{\circ}$ , $3.90\text{mm}$ Width)Supplier Device Package $14\text{-SO}$	Gain Bandwidth Product	20MHz
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	-3db Bandwidth	-
Current - Supply 2.5mA  Current - Output / Channel 35mA  Voltage - Supply, Single/Dual (±) 2.7 V ~ 36 V, ±1.35 V ~ 18 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 14-SOIC (0.154", 3.90mm Width)  Supplier Device Package 14-SO	Current - Input Bias	2nA
Current - Output / Channel $35mA$ Voltage - Supply, Single/Dual (±) $2.7 \text{ V} \sim 36 \text{ V}, \pm 1.35 \text{ V} \sim 18 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount  Package / Case $14\text{-SOIC}$ (0.154", 3.90mm Width)  Supplier Device Package $14\text{-SO}$	Voltage - Input Offset	20μV
Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 36 V, $\pm$ 1.35 V ~ 18 V Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SO	Current - Supply	2.5mA
$ \begin{array}{lll} \mbox{Operating Temperature} & -40^{\circ}\mbox{C} \sim 85^{\circ}\mbox{C} \\ \mbox{Mounting Type} & \mbox{Surface Mount} \\ \mbox{Package / Case} & 14-\mbox{SOIC } (0.154", 3.90\mbox{mm Width)} \\ \mbox{Supplier Device Package} & 14-\mbox{SO} \\  \end{array} $	Current - Output / Channel	35mA
Mounting Type Surface Mount Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SO	Voltage - Supply, Single/Dual (±)	2.7 V ~ 36 V, ±1.35 V ~ 18 V
Package / Case 14-SOIC (0.154", 3.90mm Width) Supplier Device Package 14-SO	Operating Temperature	-40°C ~ 85°C
Supplier Device Package 14-SO	Mounting Type	Surface Mount
	Package / Case	14-SOIC (0.154", 3.90mm Width)
Donort arrays	Supplier Device Package	14-SO
Keport errors?		Report errors?

#### LT1679IS#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.

# LT1679IS#PBF Payment Methods



















## LT1679IS#PBF Shipping Methods













If you have any question about LT1679IS#PBF, please do not hesitate to contact us!

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