

#### **OP293FS Information**



For Reference Only

Part Number OP293FS

Manufacturer Analog Devices Inc.

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 35KHZ RRO 8SOIC **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.









# **OP293FS Specifications**

Manufacturer Part Number         OP293FS           Manufacturer         Analog Devices Inc.           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         0.015 V/μs           Gain Bandwidth Product         35kHz           -3db Bandwidth         -           Current - Input Bias         20nA           Voltage - Input Offset         250μV           Current - Supply         30μA           Current - Output / Channel         25mA           Voltage - Supply, Single/Dual (±)         1.7 V ~ 36 V, ±0.85 V ~ 18 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC		
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Number of Circuits2Output TypeRail-to-RailSlew Rate $0.015 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $35\text{kHz}$ -3db Bandwidth-Current - Input Bias $20\text{nA}$ Voltage - Input Offset $250\mu\text{V}$ Current - Supply $30\mu\text{A}$ Current - Output / Channel $25\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $1.7 \text{ V} \sim 36 \text{ V}, \pm 0.85 \text{ V} \sim 18 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-SOIC}$ ( $0.154^{\circ}$ , $3.90\text{mm}$ Width)Supplier Device Package $8\text{-SOIC}$	Series	-
Output Type Rail-to-Rail  Slew Rate 0.015 V/ $\mu$ s  Gain Bandwidth Product 35kHz  -3db Bandwidth  - Current - Input Bias 20nA  Voltage - Input Offset 250 $\mu$ V  Current - Supply 30 $\mu$ A  Current - Output / Channel 25mA  Voltage - Supply, Single/Dual ( $\pm$ ) 1.7 V ~ 36 V, $\pm$ 0.85 V ~ 18 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SOIC	Amplifier Type	General Purpose
Slew Rate $0.015 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $35\text{kHz}$ -3db Bandwidth  Current - Input Bias $20\text{nA}$ Voltage - Input Offset $250\mu\text{V}$ Current - Supply $30\mu\text{A}$ Current - Output / Channel $25\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $1.7 \text{ V} \sim 36 \text{ V}, \pm 0.85 \text{ V} \sim 18 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case $8\text{-SOIC}$ (0.154", 3.90mm Width) Supplier Device Package $8\text{-SOIC}$	Number of Circuits	2
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Output Type	Rail-to-Rail
$-3 db \ Bandwidth \\ Current - Input \ Bias \\ 20 nA \\ Voltage - Input \ Offset \\ 250 \mu V \\ Current - Supply \\ 30 \mu A \\ Current - Output / Channel \\ 25 mA \\ Voltage - Supply, Single/Dual (\pm) 1.7 \ V \sim 36 \ V, \pm 0.85 \ V \sim 18 \ V \\ Operating \ Temperature \\ -40^{\circ}C \sim 125^{\circ}C \\ Mounting \ Type \\ Surface \ Mount \\ Package / Case \\ 8-SOIC (0.154", 3.90 mm \ Width) \\ Supplier \ Device \ Package \\ 8-SOIC$	Slew Rate	$0.015 \text{ V/}\mu\text{s}$
Current - Input Bias $20nA$ Voltage - Input Offset $250\mu V$ Current - Supply $30\mu A$ Current - Output / Channel $25mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $1.7\ V \sim 36\ V$ , $\pm 0.85\ V \sim 18\ V$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type Surface Mount  Package / Case $8$ -SOIC $(0.154^{\circ}, 3.90mm\ Width)$ Supplier Device Package $8$ -SOIC	Gain Bandwidth Product	35kHz
Voltage - Input Offset	-3db Bandwidth	-
Current - Supply $30\mu A$ Current - Output / Channel $25mA$ Voltage - Supply, Single/Dual (±) $1.7 \text{ V} \sim 36 \text{ V}, \pm 0.85 \text{ V} \sim 18 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Package / Case $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Surface Mount $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Surface Mount $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Supplier Device Package $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Current - Input Bias	20nA
Current - Output / Channel $25 \text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $1.7 \text{ V} \sim 36 \text{ V}, \pm 0.85 \text{ V} \sim 18 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case8-SOIC ( $0.154^{\circ}$ , $3.90 \text{mm}$ Width)Supplier Device Package8-SOIC	Voltage - Input Offset	250μV
Voltage - Supply, Single/Dual ( $\pm$ ) 1.7 V ~ 36 V, $\pm$ 0.85 V ~ 18 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Current - Supply	30μΑ
Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	Current - Output / Channel	25mA
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Voltage - Supply, Single/Dual (±)	1.7 V ~ 36 V, ±0.85 V ~ 18 V
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 8-SOIC	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
Report cirous.		Report errors?

### **OP293FS 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.

# **OP293FS Payment Methods**



















### **OP293FS Shipping Methods**













If you have any question about OP293FS, please do not hesitate to contact us!

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