

#### LMV358SG-13 Information



For Reference Only

Part Number LMV358SG-13

Manufacturer Diodes Incorporated

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP GP 1MHZ RRO 8SOP **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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## LMV358SG-13 Specifications

Manufacturer Part Number       LMV358SG-13         Manufacturer       Diodes Incorporated         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       1 V/μs         Gain Bandwidth Product       1MHz         -3db Bandwidth       -         Current - Input Bias       15nA         Voltage - Input Offset       1.7mV         Current - Supply       190μA         Current - Output / Channel       90mA         Voltage - Supply, Single/Dual (±)       2.7 V ~ 5.5 V, ±1.35 V ~ 2.75 V         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount         Package / Case       8-SOIC (0.154", 3.90mm Width)         Supplier Device Package       8-SOP		
Category  Integrated Circuits (ICs)  Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps  8-SOIC (0.154", 3.90mm Width)  Series  - Amplifier Type General Purpose  Number of Circuits 2 Output Type Rail-to-Rail Slew Rate 1 V/µs  Gain Bandwidth Product 1MHz -3db Bandwidth - Current - Input Bias 15nA  Voltage - Input Offset 1.7mV  Current - Output / Channel  Voltage - Supply, Single/Dual (±) 0 Qurating Temperature 40°C ~ 85°C  Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	LMV358SG-13
Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps   Package	Manufacturer	Diodes Incorporated
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Output Type Rail-to-Rail Slew Rate $1 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $1\text{MHz}$ -3db Bandwidth - Current - Input Bias $15\text{nA}$ Voltage - Input Offset $1.7\text{mV}$ Current - Supply $190\mu\text{A}$ Current - Output / Channel $90\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $2.7 \text{ V} \sim 5.5 \text{ V}, \pm 1.35 \text{ V} \sim 2.75 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount Package / Case $8-\text{SOIC}$ $(0.154^{\circ}\text{N}, 3.90\text{mm} \text{ Width})$	Amplifier Type	General Purpose
Slew Rate $ 1 \ V/\mu s $ $ Gain \ Bandwidth \ Product \qquad 1 MHz $ $ -3db \ Bandwidth \qquad - $ $ Current - Input \ Bias \qquad 15nA $ $ Voltage - Input \ Offset \qquad 1.7mV $ $ Current - Supply \qquad 190\mu A $ $ Current - Output / Channel \qquad 90mA $ $ Voltage - Supply, \ Single/Dual \ (\pm) \qquad 2.7 \ V \sim 5.5 \ V, \ \pm 1.35 \ V \sim 2.75 \ V $ $ Operating \ Temperature \qquad -40^{\circ}C \sim 85^{\circ}C $ $ Mounting \ Type \qquad Surface \ Mount $ $ Package \ / \ Case \qquad 8-SOIC \ (0.154", \ 3.90mm \ Width) $	Number of Circuits	2
Gain Bandwidth Product  -3db Bandwidth  - Current - Input Bias  15nA  Voltage - Input Offset  1.7mV  Current - Supply  190µA  Current - Output / Channel  90mA  Voltage - Supply, Single/Dual (±)  2.7 V ~ 5.5 V, ±1.35 V ~ 2.75 V  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)	Output Type	Rail-to-Rail
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Slew Rate	1 V/μs
Current - Input Bias 15nA   Voltage - Input Offset 1.7mV   Current - Supply 190 $\mu$ A   Current - Output / Channel 90mA   Voltage - Supply, Single/Dual ( $\pm$ ) 2.7 V ~ 5.5 V, $\pm$ 1.35 V ~ 2.75 V   Operating Temperature -40°C ~ 85°C   Mounting Type Surface Mount   Package / Case 8-SOIC (0.154", 3.90mm Width)	Gain Bandwidth Product	1MHz
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	-3db Bandwidth	-
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$\begin{tabular}{lll} Current - Output / Channel & 90mA & \\ Voltage - Supply, Single/Dual (\pm) & 2.7 V ~ 5.5 V, \pm1.35 V ~ 2.75 V & Operating Temperature & -40°C ~ 85°C & \\ Mounting Type & Surface Mount & 8-SOIC (0.154", 3.90mm Width) & 1.000mm Width) & 1.000mm Width) & 1.000mm Width & 1.000mm Width & 1.000mm Width) & 1.000mm Width & 1.0000mm Width & 1.0000$	Voltage - Input Offset	1.7mV
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	Mounting Type	Surface Mount
Supplier Device Package 8-SOP	Package / Case	8-SOIC (0.154", 3.90mm Width)
	Supplier Device Package	8-SOP
Report errors		Report errors?

#### LMV358SG-13 Guarantees



#### **Quality Guarantees**

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