



# **OPA690IDRG4 Information**



For Reference Only

Part Number OPA690IDRG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OPAMP VFB 300MHZ 8SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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# **OPA690IDRG4 Specifications**

Manufacturer Part Number         OPA690IDRG4           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Amplifier Type         Voltage Feedback           Number of Circuits         1           Output Type         -           Slew Rate         1800 V/μs           Gain Bandwidth Product         300MHz           -3db Bandwidth         500MHz           Current - Input Bias         3μA           Voltage - Input Offset         1mV           Current - Supply         5.5mA           Current - Output / Channel         190mA           Voltage - Supply, Single/Dual (±)         5 V ~ 12 V, ±2.5 V ~ 6 V           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)		
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Output Type-Slew Rate1800 V/μsGain Bandwidth Product300MHz-3db Bandwidth500MHzCurrent - Input Bias3μAVoltage - Input Offset1mVCurrent - Supply5.5mACurrent - Output / Channel190mAVoltage - Supply, Single/Dual (±)5 V ~ 12 V, ±2.5 V ~ 6 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)	Amplifier Type	Voltage Feedback
Slew Rate $1800 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $300 \text{MHz}$ $-3 \text{db Bandwidth}$ $500 \text{MHz}$ $Current - Input Bias$ $3 \mu \text{A}$ $Voltage - Input Offset$ $1 \text{mV}$ $Current - Supply$ $5.5 \text{mA}$ $Current - Output / Channel$ $190 \text{mA}$ $Voltage - Supply, Single/Dual (\pm) 5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V} Operating Temperature -40^{\circ}\text{C} \sim 85^{\circ}\text{C} Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90 \text{mm Width})$	Number of Circuits	1
Gain Bandwidth Product 300MHz  -3db Bandwidth 500MHz  Current - Input Bias 3 $\mu$ A  Voltage - Input Offset 1 $\mu$ V  Current - Supply 5.5 $\mu$ A  Current - Output / Channel 190 $\mu$ A  Voltage - Supply, Single/Dual ( $\pm$ ) 5 V ~ 12 V, $\pm$ 2.5 V ~ 6 V  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90 $\mu$ Am Width)	Output Type	-
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Slew Rate	1800 V/μs
Current - Input Bias $3\mu A$ Voltage - Input Offset $1mV$ Current - Supply $5.5mA$ Current - Output / Channel $190mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $5 V \sim 12 V, \pm 2.5 V \sim 6 V$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Mounting Type Surface Mount  Package / Case $8-SOIC$ $(0.154^{\circ}, 3.90mm$ Width)	Gain Bandwidth Product	300MHz
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	-3db Bandwidth	500MHz
Current - Supply $5.5 mA$ Current - Output / Channel $190 mA$ Voltage - Supply, Single/Dual ( $\pm$ ) $5 \text{ V} \sim 12 \text{ V}, \pm 2.5 \text{ V} \sim 6 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $8\text{-SOIC } (0.154^{\circ}, 3.90 mm \text{ Width})$	Current - Input Bias	3μΑ
Current - Output / Channel $190 mA$ Voltage - Supply, Single/Dual (±) $5 V \sim 12 V, \pm 2.5 V \sim 6 V$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Mounting TypeSurface MountPackage / Case $8\text{-SOIC }(0.154^{\circ}, 3.90 mm \text{ Width})$	Voltage - Input Offset	1mV
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Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)	Current - Output / Channel	190mA
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)	Voltage - Supply, Single/Dual (±)	5 V ~ 12 V, ±2.5 V ~ 6 V
Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	-40°C ~ 85°C
	Mounting Type	Surface Mount
Supplier Davice Peakers 9 SOIC	Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplied Device rackage 8-5OIC	Supplier Device Package	8-SOIC
Report error		Report errors?

### **OPA690IDRG4** Guarantees



### **Quality Guarantees**

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# **OPA690IDRG4 Payment Methods**



















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