



### **TLV4314IPWR Information**



For Reference Only

Part Number TLV4314IPWR

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

Linear - Amplifiers - Instrumentation, OP Amps,

**Buffer Amps** 

**Description** IC OP AMP RRIO CMOS 3MHZ 14TSSOP

**Package** 14-TSSOP (0.173", 4.40mm 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**

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## **TLV4314IPWR Specifications**

Manufacturer Part Number         TLV4314IPWR           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         14-TSSOP (0.173", 4.40mm Width)           Series         -           Amplifier Type         General Purpose           Number of Circuits         4           Output Type         Rail-to-Rail           Slew Rate         1.5 V/µs           Gain Bandwidth Product         3MHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         750µV           Current - Supply         150µA           Current - Output / Channel         20mA           Voltage - Supply, Single/Dual (±)         1.8 V ~ 5.5 V, ±0.9 V ~ 2.75 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         14-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         14-TSSOP		
Category         Integrated Circuits (ICs)           Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps           Package         14-TSSOP (0.173", 4.40mm Width)           Series         -           Amplifier Type         General Purpose           Number of Circuits         4           Output Type         Rail-to-Rail           Slew Rate         1.5 V/μs           Gain Bandwidth Product         3MHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         750μV           Current - Supply         150μA           Current - Output / Channel         20mA           Voltage - Supply, Single/Dual (±)         1.8 V ~ 5.5 V, ±0.9 V ~ 2.75 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         14-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         14-TSSOP	Manufacturer Part Number	TLV4314IPWR
PackageLinear - Amplifiers - Instrumentation, OP Amps, Buffer AmpsPackage $14\text{-TSSOP} (0.173", 4.40\text{mm Width})$ Series-Amplifier TypeGeneral PurposeNumber of Circuits4Output TypeRail-to-RailSlew Rate $1.5 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $3\text{MHz}$ -3db Bandwidth-Current - Input Bias $1\text{pA}$ Voltage - Input Offset $750\mu\text{V}$ Current - Supply $150\mu\text{A}$ Current - Output / Channel $20\text{mA}$ Voltage - Supply, Single/Dual (±) $1.8 \text{ V} \sim 5.5 \text{ V}, \pm 0.9 \text{ V} \sim 2.75 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $14\text{-TSSOP} (0.173", 4.40\text{mm Width})$ Supplier Device Package $14\text{-TSSOP}$	Manufacturer	Texas Instruments
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Series         -           Amplifier Type         General Purpose           Number of Circuits         4           Output Type         Rail-to-Rail           Slew Rate         1.5 V/μs           Gain Bandwidth Product         3MHz           -3db Bandwidth         -           Current - Input Bias         1pA           Voltage - Input Offset         750μV           Current - Supply         150μA           Current - Output / Channel         20mA           Voltage - Supply, Single/Dual (±)         1.8 V ~ 5.5 V, ±0.9 V ~ 2.75 V           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         14-TSSOP (0.173", 4.40mm Width)           Supplier Device Package         14-TSSOP		Linear - Amplifiers - Instrumentation, OP Amps, Buffer Amps
Amplifier TypeGeneral PurposeNumber of Circuits4Output TypeRail-to-RailSlew Rate $1.5 \text{ V/}\mu\text{s}$ Gain Bandwidth Product $3\text{MHz}$ -3db Bandwidth-Current - Input Bias $1\text{pA}$ Voltage - Input Offset $750\mu\text{V}$ Current - Supply $150\mu\text{A}$ Current - Output / Channel $20\text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $1.8 \text{ V} \sim 5.5 \text{ V}, \pm 0.9 \text{ V} \sim 2.75 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $14\text{-TSSOP}$ (0.173", $4.40\text{mm}$ Width)Supplier Device Package $14\text{-TSSOP}$	Package	14-TSSOP (0.173", 4.40mm Width)
Number of Circuits 4 Output Type Rail-to-Rail Slew Rate 1.5 V/ $\mu$ s Gain Bandwidth Product 3MHz -3db Bandwidth - Current - Input Bias 1pA Voltage - Input Offset 750 $\mu$ V Current - Supply 150 $\mu$ A Current - Output / Channel 20mA Voltage - Supply, Single/Dual ( $\pm$ ) 1.8 V ~ 5.5 V, $\pm$ 0.9 V ~ 2.75 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 14-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	Series	-
Output Type Rail-to-Rail  Slew Rate 1.5 V/ $\mu$ s  Gain Bandwidth Product 3MHz  -3db Bandwidth  - Current - Input Bias 1pA  Voltage - Input Offset 750 $\mu$ V  Current - Supply 150 $\mu$ A  Current - Output / Channel 20mA  Voltage - Supply, Single/Dual ( $\pm$ ) 1.8 V ~ 5.5 V, $\pm$ 0.9 V ~ 2.75 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 14-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 14-TSSOP	Amplifier Type	General Purpose
Slew Rate $1.5 \text{ V/}\mu\text{s}$ $3\text{MHz}$ $-3\text{db Bandwidth Product}$ $3\text{MHz}$ $-2\text{db Bandwidth}$ $-2db B$	Number of Circuits	4
Gain Bandwidth Product  -3db Bandwidth  -Current - Input Bias  1pA  Voltage - Input Offset  Current - Supply  150 $\mu$ A  Current - Output / Channel  Voltage - Supply, Single/Dual (±)  1.8 V ~ 5.5 V, ±0.9 V ~ 2.75 V  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  14-TSSOP  14-TSSOP	Output Type	Rail-to-Rail
$-3 db \ Bandwidth \\ -Current - Input \ Bias \\ 1pA \\ Voltage - Input \ Offset \\ 750 \mu V \\ Current - Supply \\ 150 \mu A \\ Current - Output / Channel \\ 20 mA \\ Voltage - Supply, Single/Dual (\pm) 1.8 \ V \sim 5.5 \ V, \pm 0.9 \ V \sim 2.75 \ V \\ Operating \ Temperature \\ -40^{\circ}C \sim 125^{\circ}C \\ Mounting \ Type \\ Surface \ Mount \\ Package / Case \\ 14-TSSOP (0.173'', 4.40mm \ Width) \\ Supplier \ Device \ Package \\ 14-TSSOP$	Slew Rate	1.5 V/μs
Current - Input Bias 1pA  Voltage - Input Offset 750 $\mu$ V  Current - Supply 150 $\mu$ A  Current - Output / Channel 20mA  Voltage - Supply, Single/Dual ( $\pm$ ) 1.8 V ~ 5.5 V, $\pm$ 0.9 V ~ 2.75 V  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 14-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 14-TSSOP	Gain Bandwidth Product	3MHz
Voltage - Input Offset $750\mu V$ Current - Supply $150\mu A$ Current - Output / Channel $20mA$ Voltage - Supply, Single/Dual (±) $1.8 \text{ V} \sim 5.5 \text{ V}, \pm 0.9 \text{ V} \sim 2.75 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $14\text{-TSSOP}$ (0.173", $4.40\text{mm}$ Width)Supplier Device Package $14\text{-TSSOP}$	-3db Bandwidth	-
Current - Supply $150\mu A$ Current - Output / Channel $20mA$ Voltage - Supply, Single/Dual (±) $1.8 \text{ V} \sim 5.5 \text{ V}, \pm 0.9 \text{ V} \sim 2.75 \text{ V}$ 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 $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Supplier Device Package $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \sim$	Current - Input Bias	1pA
Current - Output / Channel $20 \text{mA}$ Voltage - Supply, Single/Dual ( $\pm$ ) $1.8 \text{ V} \sim 5.5 \text{ V}, \pm 0.9 \text{ V} \sim 2.75 \text{ V}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountPackage / Case $14\text{-TSSOP}$ ( $0.173^{\circ}$ , $4.40 \text{mm}$ Width)Supplier Device Package $14\text{-TSSOP}$	Voltage - Input Offset	750μV
Voltage - Supply, Single/Dual ( $\pm$ ) 1.8 V ~ 5.5 V, $\pm$ 0.9 V ~ 2.75 V Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 14-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	Current - Supply	150μΑ
Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 14-TSSOP (0.173", 4.40mm Width)  Supplier Device Package 14-TSSOP	Current - Output / Channel	20mA
Mounting Type Surface Mount Package / Case 14-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	Voltage - Supply, Single/Dual (±)	$1.8 \text{ V} \sim 5.5 \text{ V}, \pm 0.9 \text{ V} \sim 2.75 \text{ V}$
Package / Case 14-TSSOP (0.173", 4.40mm Width) Supplier Device Package 14-TSSOP	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 14-TSSOP	Mounting Type	Surface Mount
	Package / Case	14-TSSOP (0.173", 4.40mm Width)
Report errors?	Supplier Device Package	14-TSSOP
		Report errors?

#### **TLV4314IPWR 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.

# **TLV4314IPWR Payment Methods**





















## **TLV4314IPWR Shipping Methods**













If you have any question about TLV4314IPWR, please do not hesitate to contact us!

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