Op-Amp alternatives

Original: **MAX4470**

1,8V to 5,5V operation
750nA supply current
36mA sinking/11mA sourcing current
SC70/SOT23 5pin packaging
rail to rail output

Alternatives:

Maxim

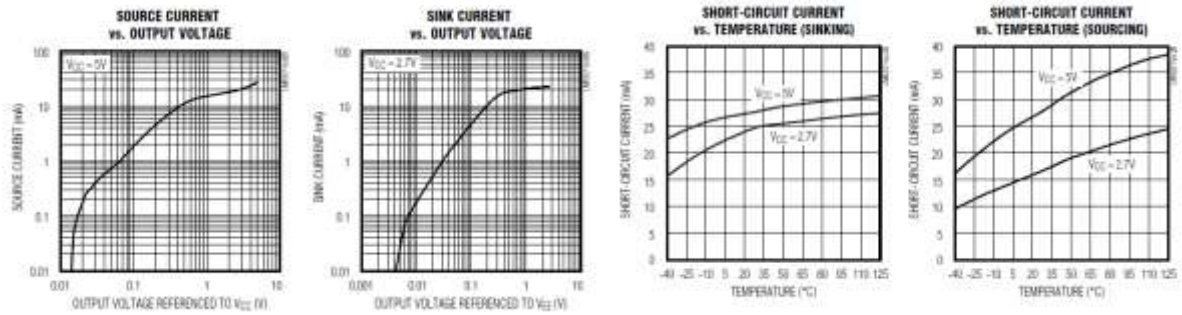
- **MAX4291**
  operates from a 1.8V to 5.5V
  100µA Supply Current per Amplifier
  Output Short-Circuit Current IOUT(SC) Sourcing or sinking 20 mA
  http://www.maxim-ic.com/quick_view2.cfm/qv_pk/2195

- **MAX4322/MAX4323/MAX4326/MAX4327/MAX4329**
  2.4V to 6.5V
  650µA Quiescent Current per Amplifier
  Output Short-Circuit Current Isc 50 mA
  http://www.maxim-ic.com/quick_view2.cfm/qv_pk/1875

- **LMX321/LMX358/LMX324**

Draws only 105µA of quiescent current per amplifier,
Operates from a single +2.3V to +7V supply

Output Short-Circuit Current	Isc	Sourcing, VOUT = 0V	5	25	mA
		Sinking, VOUT = 5V	10	28	



http://www.maxim-ic.com/quick_view2.cfm/qv_pk/3077

National Semiconductor

- **LM6588**

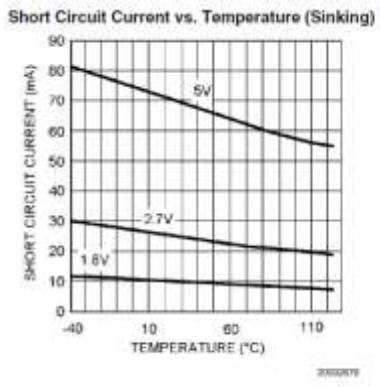
  5V to 16V, while consuming only 750µA per amplifier

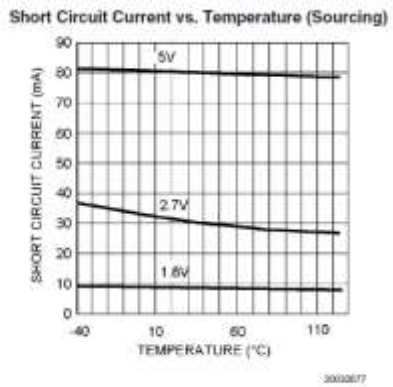
  Output short circuit current ±200mA
  Continuous output current 75mA
  SO-14 and TSSOP-14 package (not compatible)
  http://www.national.com/mpf/LM/LM6588.html#Overview

- **LMV931 Single**

  +1.8V to +5.5V supply voltages
  Supply current (per channel) $100\ \mu$ A
  At 5V DC (lower values for lower VDC):

I_O	Output Short Circuit Current	LMV931, Sourcing, V_O = 0V V_{IN} = 100mV	80 **68**	100		mA
		Sinking, V_O = 5V V_{IN} = −100mV	58 **45**	65		





  http://www.national.com/mpf/LM/LMV931.html#Overview

- **LMH6640**

  Supply Voltage ($V_+ - V_-$) 4.5V to 16V
  a rail-to-rail output drive capability of 100 mA
  Supply current (no load) 4 mA
  http://www.national.com/pf/LM/LMH6640.html#Overview

- **LM8261**

  Wide supply voltage range
  2.5V to 30V
  Supply current 0.97 mA
  Output short circuit current +53mA/−75mA
  http://www.national.com/mpf/LM/LM8261.html#Overview

Texas Instruments

- **SN10501**
  Iq per channel(Max) 22(mA)
  Rail-Rail In, Out
  Io(Typ)(mA) 100
  Vs(Min)(V) 3
  Vs(Max)(V) 15
  Pin/Package 5SOT-23
  http://focus.ti.com/docs/prod/folders/print/sn10501.html

- **THS4281**
  Iq per channel(Max)(mA) 1
  Rail-Rail In, Out
  Io(Typ)(mA) 30
  Vs(Min)(V) 2.7
  Vs(Max)(V) 15
  Pin/Package 5SOT-23
  http://focus.ti.com/docs/prod/folders/print/ths4281.html

- **OPA830/OPA832**
  Iq per channel(Max)(mA) 3,9
  Rail-Rail In, Out
  Io(Typ)(mA) 85
  Vs(Min)(V) 2.8
  Vs(Max)(V) 11
  Pin/Package 5SOT-23
  http://focus.ti.com/docs/prod/folders/print/opa830.html
  http://focus.ti.com/docs/prod/folders/print/opa832.html