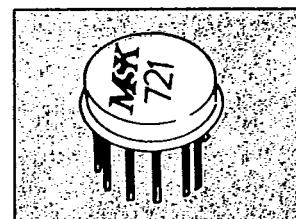
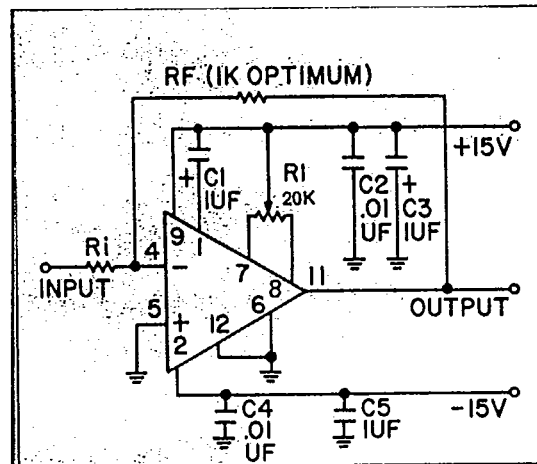


# WIDEBAND INVERTING 721/731 SERIES



- 150 MHz bandwidth
- 10 MHz Full power output
- 50 nSec settling to 1%
- 100 nSec settling to .1%
- Stable at unity gain without compensation
- -55°C To +125°C operating temperature range

TYPICAL CIRCUIT



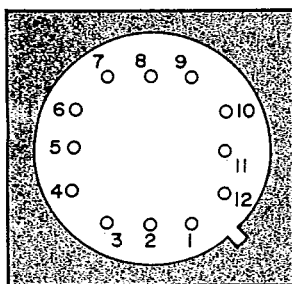
Internal .01μf decoupling provided at -Vcc

All electrical specifications are typical at 25°C unless otherwise indicated.

MODEL	CHARACTERISTICS
721	General purpose wide band, high-slew rate amplifier
731	Fast settling amplifier

PARAMETER	UNITS	721	731
Voltage gain	v/v	20,000	20,000
*Full power output	MHz	12	12
*Bandwidth	MHz	150	150
*Slew rate	V/μSec	1,000	1,000
Rated output voltage	volts	± 12	± 12
Rated output current	mA	± 30	± 30
Input bias current	nA	150	150
Input offset voltage	(adjustable to zero)		
Input voltage drift coefficient	μV/°C	10	10
Common mode voltage range	volts	± 10	± 10
Common mode rejection ratio @ ± 5 volts	dB	90	90
*Settling time to 1% 10 volt step	nSec	—	50
*Settling time to .1% 10.volt step	nSec	—	100
Quiescent current	mA	20	20
Operating temperature range	721 & 731: -25°C to +85°C 721B & 731B: -55°C to +125°C		

\*NOTE - PARAMETER OBTAINABLE ONLY IN INVERTING CONFIGURATION



721, 731 TO-8/L  
721B, 731B TO-8/H

**BOTTOM VIEW  
PIN ASSIGNMENT**

PIN	DESG.	PIN	DESG.
1	Comp.	7	Bal.
2	-15V	8	Bal.
3	NC	9	+15V
4	-In	10	NC
5	+In	11	Out
6	Gnd	12	Case

