

MODEL 233

CHOPPER STABILIZED AMPLIFIER

SPECIFICATIONS (typical @ +25°C and ±15V unless otherwise noted)

MODEL	233J	233K	233L
OPEN LOOP GAIN			
DC 2k ohm load	10 ⁷ V/V min	*	*
RATED OUTPUT			
Voltage	±10V min	*	*
Current	±5mA min	*	*
Load Capacitance Range	0-1000pF min	*	*
FREQUENCY			
Unity Gain, Small Signal	500kHz	*	*
Full Power Response	4kHz min	*	*
Slew Rate	0.25V/μs	*	*
INPUT OFFSET VOLTAGE			
Initial Offset	±50μV max	±20μV max	±20μV max
vs. Temp, 0°C to +70°C	±1.0μV/°C max	±0.3μV/°C max	±0.1μV/°C max
vs. Supply Voltage	±0.2μV/%	*	*
vs. Time	±2μV/month	*	*
vs. Turn On, 10sec to 10min	±3μV	*	*
INPUT BIAS CURRENT			
Initial	±75pA max	±50pA max	±50pA max
vs. Temp, 0°C to +70°C	±2pA/°C max	±1pA/°C max	±0.5pA/°C max
vs. Supply Voltage	±0.5pA/%	*	*
INPUT IMPEDANCE			
Inverting Input to Signal Ground	600k ohms	*	*
INPUT NOISE			
Voltage, 0.01 to 1Hz	1μV p-p	*	*
0.1 to 10Hz	3μV p-p	*	*
5Hz to 10kHz	3μV rms	*	*
Current, 0.01 to 1Hz	3pA p-p	*	*
0.1 to 10Hz	6pA p-p	*	*
INPUT VOLTAGE RANGE			
(-) Input to Signal Ground	±15V max	*	*
POWER SUPPLY			
Rated Performance	±15V	*	*
Operating	±(12 to 18)V	*	*
Quiescent Current	±5mA	*	*
TEMPERATURE RANGE			
Rated Specifications	0°C to +70°C	*	*
Operating	-25°C to +85°C	*	*
Storage	-55°C to +125°C	*	*

*Specifications same as Model 233J

Specifications subject to change without notice



MODEL 233 DATA SHEET MARKED-UP 4/27/92 TO REFLECT REDESIGN PERFORMANCE.

