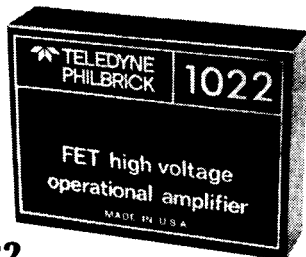
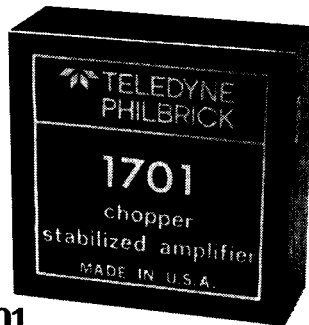


Modular Operational Amplifiers



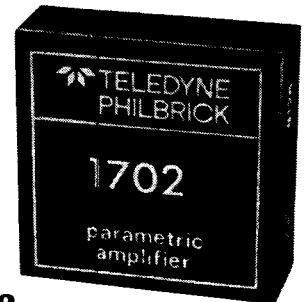
1022

± 140V, ± 20mA Output
30kHz Full Power Bandwidth



1701

± 15μV Max Initial Offset
± 0.1μV/°C Max Offset Drift



1702

± 0.005pA Max Bias Current
± 0.002pA/°C Max Bias Drift

Modular Operational Amplifier Selection Guide

Category	Part Number	Features	Output Range (V/mA)	Minimum Open Loop Gain (dB)	Full Power BW/ Slew Rate (kHz/V/μsec)	Input Offset Voltage		Input Bias Current		Pkg.	Page No.
						Initial (mV, Max)	Drift (μV/°C, Max)	Initial (pA, Max)	Drift (pA/°C, Max)		
Ultra Low Offset and Drift	1020	Matched Bipolar Input, Low E _{OS} and ΔE _{OS} , Small 1" Case	± 10/ ± 5	106	10/0.6	± 3	± 5	± 25nA	± 500 (1)	A	2-3
	1020-01		± 10/ ± 5	106	10/0.6	± 0.5	± 1.5	± 25nA	± 500 (1)	A	2-3
	1701	Chopper Stabilized, 40kHz Full Power BW, High CMRR	± 12/ ± 5	112	40/1.2	± 15μV	± 0.25	± 50	± 1	B	2-9
	1701-01		± 12/ ± 5	112	40/1.2	± 15μV	± 0.1	± 50	± 1	B	2-9
	1703	Chopper Stabilized, High A _{OL} , CMRR, Supplies to ± 6V	± 10/ ± 5	120	9/0.25	± 40μV	± 1	± 50	± 2	B	2-9
	1703-01		± 10/ ± 5	120	9/0.25	± 15μV	± 0.3	± 50	± 1	B	2-9
Ultra Low Bias and Drift	1035	50kHz Full Power BW, Low Initial Offset Voltage	± 10/ ± 5	100	50/0.3	± 2	± 50	± 0.15	(2)	C	2-7
	1035-02		± 10/ ± 5	100	50/0.3	± 1	± 50	± 0.05	(2)	C	2-7
	1702	Parametric Op Amps, Lowest Bias Current Available	± 10/ ± 5	100	(3)	± 5	± 30	± 0.005	± 0.002	B	2-13
	1702-01		± 10/ ± 5	100	(3)	± 5	± 10	± 0.005	± 0.002	B	2-13
High Voltage Output	1022	± 140V Output, High A _{OL} , CMV	(4)	120	30/30	± 2	± 50	- 30	(2)	D	2-5
	1032	± 115V Output, Low Bias	(5)	100	10/10	± 5	± 50	- 10	(2)	D	2-5
Instrumentation	4253	FET Input, High CMRR	± 10/ ± 5	(6)	(7)	± 1	± 10	- 10	(2)	E	3-3

Notes: 1. Typical specification.

2. Doubles every 10°C.

3. Undistorted full power bandwidth is 20Hz minimum. Slew Rate = 2.5V/msec.

4. V_{out} = ± |V_{CC} - 10|volts, I_{out} = ± 20mA, ± V_{CC} = ± 40V to ± 150V.

5. V_{out} = ± |V_{CC} - 10|volts, I_{out} = ± 10mA, ± V_{CC} = ± 18V to ± 125V.

6. Closed-loop gains from 1 to 10,000 determined by choice of a single external resistor.

7. Undistorted full power bandwidth is 5kHz minimum.

Packages: A. 1.14" × 1.14" × 0.59"

B. 1.52" × 1.52" × 0.62"

C. 1.14" × 1.14" × 0.41"

D. 2.42" × 1.82" × 0.62"

E. 2.02" × 2.02" × 0.41"



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