

TUNING DIODES

The capacitance varies with voltage; so you can use voltage change to tune an RF circuit in place of using a (mechanical) variable capacitor. Current consumption is negligible



The following values are the nominal capacitance value at 45 volts; capacitance varies with voltage.

Part No. **86-1303** 6.8pF type MV2101
Part No. **86-1309** 33pF type MV2109

TUNING DIODE type MV209 has a capacitance of 450pF @ 1.6 volts, 5pF @ 12 volts
Part No. **86-1300**

Silicon Rectifier Diodes

1N4001 series Industry standard Silicon Rectifier Diodes rated 1 ampere, axial lead. Used in thousands of practical circuits.



Part No. **86-1225** type 1N4001 50V PIV
Part No. **86-1230** type 1N4004 400V PIV
Part No. **86-1235** type 1N4007 1000V PIV

ZENER DIODES Assortment

ZENERS low cost voltage regulation. These are the most needed values; one each of five values per package. Included are: 1N4733 5.1V zener, 1N4735 6.2V, 1N4739 9.1V diode, 1N4740 10V diode, 1N4742 12V diode. DO-41 type case.



Part No. **86-1217** five piece Zener assortment

1N4148/1N914 DIODES

DIODES ten-pack. Industry standard hi-speed silicon switching diodes called for in many circuits. Ten pieces per package



Part No. **86-1210** diodes ten pack.

TL082 Dual JFET Input OpAmp TL084 Quad JFET Input OpAmp

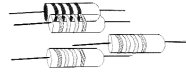
Both OPAMPS feature Internal compensation, high impedance inputs, and the TL082 is pin compatible with older types such as MC1458, MC4558, LM358. Bandwidth=3.0 MHz. The TL084 is a Quad version of the TL082.



Part No. **86-1065** Dual OpAmp 8-pin Dip
Part No. **86-1066** Quad OpAmp 14-pin Dip

Epoxy Conformal Coated R.F. CHOKES

Small chokes, slightly larger than resistors and marked with the same code as resistors to indicate value. Epoxy coating makes them nearly impervious to moisture, humidity etc...



Part No.	5alue u6	current mA DC	"Q" min.
86-1422	1	920	45
86-1420	2.2	750	55
86-1421	4.7	620	70
86-1424	10	500	65
86-1423	22	410	50
86-1425	47	340	40
86-1426	100	275	30
86-1427	220	155	60
86-1428	470	126	60
86-1430	1000	100	100

LM741 OpAMP

The LM741 is the most used single OpAmp, featuring differential inputs. Has provisions for external compensation and offset nulling. This is a general purpose workhorse and a direct replacement for LM709, LM201, and MC1439. Slew rate .5V/us., 1.5MHz bandwidth.



Part No. **86-1062** OpAmp LM741

MC33171 OpAmp

A single OpAmp optimized for single supply operation. The MC33171 has a lower power, wide bandwidth at 1.8MHz. Especially useful in low power circuits and modern PLL circuits; with provision for offset nulling if required. Wide supply range, from 3V to 44V operation.



Part No. **86-1063** OpAmp

TL072 Dual JFET OpAmp TL074 Quad JFET OpAmp

A low noise, high impedance Operational Amplifier with a 4 MHz bandwidth. A favorite in audio designs. Has internal compensation and features very low harmonic distortion. The TL074 is the Quad version of the TL072 with same features. One per package



Part No. **86-1067** Dual JFET OpAmp 8-pin Dip

Part No. **86-1068** Quad JFET OpAmp 14-pin Dip

LM 324 OpAMP

LM324 Operational Amplifier. Most useful for DC voltage gain blocks, active filters and low frequency oscillators. The LM324 is an industry standard low-power Quad Op AMP, featuring differential inputs, and is optimized for single-ended power supply, +3.0V to 32V DC operation. Bandwidth-Unity gain at 1 MHz. 14pin DIP.



Part No. **86-1060** OpAmp LM324

NE555 TIMER

IC 8-pin TIMER. one of the most frequently used, industry standards. Timing from u/Seconds to hours. Can be used in astable or monostable modes. Adjustable duty cycle and frequency.

(See CMOS 555 elsewhere in this section.)



Part No. **86-1069** NE555 Timer IC NE555

78XX Series Voltage Regulators

These are the industry standard in voltage regulator IC's for power supplies with a fixed voltage. Rated at 1 amp (use heat sink), the last two digits indicate the voltage. Ripple rejection, load & line regulation are excellent.

Part No. **86-1137** type 7805 5V. regulator
Part No. **86-1140** type 7812 12V. regulator



MC33172 dual Op Amp

This is the Quad version of the MC33171 OpAmp and will operate from a single supply, which is probably its most important feature. This is a good low power unit with a wide bandwidth. Use with 3V to 44V.

Part No. **86-1064** type MC33172 OpAmp

