

Freq-Mite BOM

| Qty | Components | Description | Designation |
|-----------------------|---------------|---|------------------|
| <i>Capacitors</i> | | | |
| 3 | 22p | Ceramic Disk 22 | C2,C3, input |
| 2 | 0.01 uF | Ceramic Monolithic 103 | coupling, bypass |
| 1 | .1 uF | Ceramic Monolithic 104 | C1 |
| <i>Resistors</i> | | | |
| 1 | 1k | 1/4W Brown Black Red | R2 |
| 1 | 1.5k | 1/4W Brown Green Red | R3 |
| 2 | 100k | 1/4W Brown Black Yellow | R1, R4 |
| 1 | 100k | Resistor Network | R6 |
| <i>Semiconductors</i> | | | |
| 1 | 16C622A | Pre programmed PIC | U1 |
| 1 | 78L05 | Voltage Regulator IC (TO-92) | U2 |
| 2 | 2N4401 | Transistors | Q1, Q2 |
| <i>Other</i> | | | |
| 1 | 4.096 MHz | Crystal | |
| 1 | Socket | 18 pin IC Socket | |
| 1 | PCB | Printed Circuit Board "SWL 11/02" | |
| 9 | Jumpers | Shorting Jumpers | |
| 1 | Header | 1-20 pin male header strip (or 2-10 pin strips) | |
| 5 | hookup wire | Five 6" lengths (or 1 piece 6" ribbon cable) | |
| <i>Hardware</i> | | | |
| 2 | Machine Screw | #4-40 1/4" Mounting Screw | |
| 1 | L- Bracket | Threaded Mounting Bracket | |