

**CGS349 - WASP Filter Component Kit**

| Item | Description                             | Qty | Designator                 | Package      |
|------|-----------------------------------------|-----|----------------------------|--------------|
|      | <b>CAPACITOR</b>                        |     |                            |              |
| 1    | 68pF 5% Ceramic                         | 1   | C102                       | RAD-0.2N     |
| 2    | 1nF 63V Polyester                       | 4   | C105, C106, C202, C203     | RAD-0.2      |
| 3    | 100nF Ceramic                           | 6   | C3, C4, C5, C6, C504, C505 | RAD-0.2N     |
| 4    | 100nF 63V Polyester                     | 1   | C201                       | RAD-0.2      |
| 5    | 220nF 63V Polyester                     | 3   | C101, C103, C104           | RAD-0.2      |
| 6    | 1uF 35V Tantalum                        | 1   | C503                       | RB-D5.0-P5.0 |
| 7    | 10uF 35V Electrolytic                   | 4   | C204, C205, C501, C502     | RB-D5.0-P2.0 |
|      |                                         |     |                            |              |
|      | <b>CONNECTOR</b>                        |     |                            |              |
| 8    | 16-pin IC Socket 0.3inch                | 1   | U102                       | DIP-16       |
| 9    | 3-way 0.1inch Straight Header           | 1   | J501                       | 2.54MM       |
| 10   | 3-way 0.1inch Crimp Housing             | 1   | J501                       | 2.54MM       |
| 11   | CRIMP - KK254                           | 3   | J501^3                     | -            |
| 12   | 8-pin IC Socket 0.3inch                 | 2   | U201, U301                 | DIP-8        |
| 13   | 14-pin IC Socket 0.3inch                | 1   | U101                       | DIP-14       |
|      |                                         |     |                            |              |
|      | <b>DIODE</b>                            |     |                            |              |
| 14   | 1N4004 200V 1A                          | 1   | D501                       | DIODE-0.4    |
| 15   | 1N4148                                  | 2   | D101, D102                 | DIODE-0.3    |
|      |                                         |     |                            |              |
|      | <b>LINEAR</b>                           |     |                            |              |
| 16   | LM13700 - Dual OTA                      | 1   | U102                       | DIP-16       |
| 17   | TL071 JFET Opamp                        | 2   | U201, U301                 | DIP-8        |
| 18   | 79L05 -5V 100mA Fixed Voltage Regulator | 1   | U501                       | TO-92        |
|      |                                         |     |                            |              |
|      | <b>INDUCTOR</b>                         |     |                            |              |
| 19   | Ferrite Bead - 0.45uH 7A                | 2   | L501, L502                 | AXIAL-0.3    |
|      |                                         |     |                            |              |
|      | <b>LOGIC</b>                            |     |                            |              |
| 20   | CD4069UB - Hex Inverter Unbuffered      | 1   | U101                       | DIP-14       |
|      |                                         |     |                            |              |

