

Bill of Materials for CGS335 - Synthacon Filter Component Kit  
**CGS335 - Synthacon Filter Component Kit**

Item	Description	Qty	Designator	Package
<b>CAPACITOR</b>				
1	47pF 5% Ceramic	1	C12	RAD-0.2N
2	2.2nF 63V Polyester	3	C3, C4, C5	RAD-0.2
3	100nF Ceramic	2	C15, C16	RAD-0.2N
4	100nF 63V Polyester	1	C6	RAD-0.2
5	1uF 50V Electrolytic	4	C1, C8, C9, C11	RB-D5.0-P2.0
6	10uF Bipolar Electrolytic	1	C7	RB-D6.3-P2.5
7	10uF 35V Electrolytic	2	C13, C14	RB-D5.0-P2.0
8	47uF Electrolytic	2	C2, C10	RB-D5-P2.5
<b>CONNECTOR</b>				
9	KK396 - 4-way Crimp Housing	1	J6	3.96MM
10	CRIMP - KK396	4	J6^4	-
11	8-pin IC Socket 0.3inch	1	U1	DIP-8
12	KK396 - 4-way Straight - Locking Header	1	J6	-
<b>DIODE</b>				
13	1N4148	8	D1, D2, D3, D4, D5, D6, D7, D8	DIODE-0.3
<b>LINEAR</b>				
14	TL071 JFET Opamp	1	U1	DIP-8
<b>INDUCTOR</b>				
15	Ferrite Bead - 0.45uH 7A	2	L1, L2	AXIAL-0.3
<b>RESISTOR</b>				
16	82R 1% 0.5W Metal Film	1	R20	AXIAL-0.4
17	330R 1% 0.5W Metal Film	1	R25	AXIAL-0.4
18	390R 1% 0.5W Metal Film	1	R4	AXIAL-0.4
19	820R 1% 0.5W Metal Film	1	R11	AXIAL-0.4
20	1K0 1% 0.5W Metal Film	5	R3, R10, R14, R15, R19	AXIAL-0.4
21	2K2 1% 0.5W Metal Film	3	R6, R7, R8	AXIAL-0.4

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	<b>RESISTOR - continued</b>			
22	3K9 1% 0.5W Metal Film	1	R21	AXIAL-0.4
23	8K2 1% 0.5W Metal Film	1	R5	AXIAL-0.4
24	10K 1% 0.5W Metal Film	1	R22	AXIAL-0.4
25	47K 1% 0.5W Metal Film	3	R1, R13, R23, R26	AXIAL-0.4
			NB: R26 Not On PCB	
26	100K 1% 0.5W Metal Film	1	R24	AXIAL-0.4
27	180K 1% 0.5W Metal Film	1	R12	AXIAL-0.4
28	220K 1% 0.5W Metal Film	3	R16, R17, R18	AXIAL-0.4
29	390K 1% 0.5W Metal Film	1	R2	AXIAL-0.4
30	2M2 1% 0.5W Metal Film	1	R9	AXIAL-0.4
	<b>TRANSISTOR</b>			
31	PN2222A NPN Transistor	3	Q1, Q3, Q4	TO-92
32	PN2907 PNP Transistor	1	Q2	TO-92
	<b>TRIMPOT</b>			
33	200R 25TV Cermet	1	P1	T93YA
34	2K 25TV Cermet	1	P2	T93YA
35	100K 20TV Cermet	4	P4	T93YA
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