

CGS513 - VC Wave Multipliers Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	33pF 5% Ceramic	4	C603, C702, C802, C806	RAD-0.2N
2	47pF 5% Ceramic	8	C102, C302, C303, C304, C401, C402, C403, C602	RAD-0.2N
3	150pF 5% Ceramic	1	C301	RAD-0.2N
4	47nF 63V Polyseter	4	C601, C701, C801, C805	RAD-0.2
5	100nF Ceramic	14	C903, C904, C905, C906, C907, C908, C909, C910, C911, C912, C913, C914,	RAD-0.2N
			C915, C916	
6	220nF 63V Polyester	2	C101, C201	RAD-0.2
7	1uF 35V Bipolar Electrolytic	2	C604, C803	RB-D6.3-P2.5
8	10uF 35V Electrolytic	2	C901, C902	RB-D5.0-P2.0
9	10uF Bipolar Electrolytic	1	C703	RB-D6.3-P2.5
10	47uF Electrolytic	1	C804	RB-D5-P2.5
	CONNECTOR			
11	16-pin IC Socket 0.3inch	1	U101	DIP-16
12	3-way 0.1inch Crimp Housing	1	J901	2.54MM
13	CRIMP - KK254	3	J901^3	-
14	3-way 0.1inch Straight Header	1	J901	2.54MM
15	14-pin IC Socket 0.3inch	2	U501, U701	DIP-14
16	8-pin IC Socket 0.3inch	5	U102, U301, U302, U303, U401	DIP-8
	DIODE			
17	5.6V 5% 500mW	1	D803	DIODE-0.3
18	1N4148	22	D101, D102, D103, D201, D301, D302, D303, D304, D305, D306, D401, D402,	DIODE-0.3
			D403, D404, D405, D406, D601, D602, D701, D702, D801, D802	
	LINEAR			
19	LM3900 - Quad Norton Amplifier	2	U501, U701	DIP-14
20	TL071 JFET Opamp	2	U102, U301	DIP-8
21	TL072 Dual JFET Opamp	3	U302, U303, U401	DIP-8
22	LM13700 - Dual OTA	1	U101	DIP-16

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	INDUCTOR			
23	Ferrite Bead - 5A	2	L901, L902	AXIAL-0.3
	RESISTOR			
24	330R 1% 0.5W Metal Film	2	R109, R410	AXIAL-0.4
25	1K5 1% 0.5W Metal Film	4	R105, R107, R204, R208	AXIAL-0.4
26	3K3 1% 0.5W Metal Film	2	R111, R809	AXIAL-0.4
27	10K 1% 0.5W Metal Film	2	R110, R411	AXIAL-0.4
28	15K 1% 0.5W Metal Film	1	R201	AXIAL-0.4
29	22K 1% 0.5W Metal Film	1	R102	AXIAL-0.4
30	33K 1% 0.5W Metal Film	6	R302, R305, R308, R401, R404, R407	AXIAL-0.4
31	47K 1% 0.5W Metal Film	1	R202	AXIAL-0.4
32	82K 1% 0.5W Metal Film	1	R301	AXIAL-0.4
33	100K 1% 0.5W Metal Film	21	R104, R203, R207, R303, R304, R306, R307, R309, R310, R402, R403, R405, R406, R408, R409, R502, R503, R601, R602, R807, R808	AXIAL-0.4
34	187K 1% 0.5W Metal Film	1	R504	AXIAL-0.4
35	220K 1% 0.5W Metal Film	1	R501	AXIAL-0.4
36	330K 1% 0.5W Metal Film	4	R101, R103, R108, R505	AXIAL-0.4
37	402K 1% 0.5W Metal Film	1	R500 NB: See Build Guide	AXIAL-0.4
38	470K 1% 0.5W Metal Film	1	R506	AXIAL-0.4
39	820K 1% 0.5W Metal Film	3	R609, R705, R805	AXIAL-0.4
40	1M0 1% 0.5W Metal Film	7	R603, R604, R606, R607, R608, R610, R702	AXIAL-0.4
41	1M5 1% 0.5W Metal Film	1	R706	AXIAL-0.4
42	2M2 1% 0.5W Metal Film	4	R605, R701, R801, R806	AXIAL-0.4
43	3M3 1% 0.5W Metal Film	2	R106, R206	AXIAL-0.4
44	6M8 1% 0.5W Metal Film	1	R205	AXIAL-0.4
45	10M 1% 0.5W Metal Film	4	R703, R704, R803, R804	AXIAL-0.4
	TRANSISTOR			
46	BC557B PNP Transistor	2	Q101, Q201	TO-92

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