



MOTM-485 GX-1 Diode VCF Assembly Instructions & Owner's Manual

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MOTM-485 PARTS LIST

Please carefully check that all parts are in your kit. If you have a suspected shortage, please call or email. If you get free extra stuff, keep it for next time.

Capacitor bag, containing the following 12 parts:

3ea 10 μ fd, 50V Electrolytic	C1, C2, C3
2ea 22N reddish-brown film cap (marked 223)	C10, C11
1ea 47N reddish-brown film cap (marked 473)	C12
1ea 3M3 50V non-polar electrolytic	C9
1ea 33 μ fd 16V non-polar electrolytic	C6
2ea 10 μ fd, 50V non-polar electrolytic	C7, C8
2ea 0.1 μ fd, axial ceramic cap (marked 104)	C4, C5

Resistor bag, containing the following 50 parts:

9ea 100K 1% (brown, black, black, red)	R1-R6, R14, R28, R35
5ea 4K7 (yellow, violet, red)	R33, R41, R42, R43, R46
4ea 22K1 1% (red, red, brown, red)	R19, R20, R24, R50
4ea 10K (brown, black, orange)	R25, R45, R47, R49
3ea 2K2 (red, red, red)	R18, R21, R22
3ea 18K (brown, gray, orange)	R17, R27, R29
2ea 120K (brown, red, yellow)	R9, R13
2ea 51K1 1% (green, brown, brown, red)	R7, R8
2ea 47K (yellow, violet, orange)	R15, R32
2ea 6K8 (blue, gray, red)	R26, R30
2ea 1K 5% (brown, black, red)	R34, R37
2ea 3K3 (orange, orange, red)	R38, R44
2ea 150K (brown, green, yellow)	R39, R40
1ea 200K (red, black, yellow)	R10
1ea 470K (yellow, violet, yellow)	R12
1ea 54K9 1% (green, yellow, white, red)	R16
1ea 1K2 (brown, red, red)	R23
1ea 470 ohms (yellow, violet, brown)	R31
1ea 15K (brown, green, orange)	R36
1ea 47 ohms (yellow, violet, black)	R48
1ea 1K 1% 3300ppm Tempco resistor (black)	R11 (mounts on Q1, see text)

IC bag, containing the following 11 parts:

3ea BC550C NPN transistor	Q3, Q4, Q9
2ea BC560C PNP transistor	Q2, Q6
2ea CA3086 transistor array IC	Q7, Q10
1ea BF245 FET transistor	Q8
1ea LT1013 op amp	U1
1ea THAT 340P transistor array	Q1
1ea SSM2220P PNP array	Q5

- Misc #1 bag, containing the following 7 parts:**

2ea Axial ferrite beads (plain, gray things)	L1, L2
1ea MTA-156 power connector	JP1
1ea SPDT toggle switch	SW1
1ea DPDT toggle switch	SW2
1ea 2K Bourns 3386P-202 trim pot	TP1
1ea 20K Bourns 3386P-203 trim pot	TP2

- Knobs, 3ea, ALCO PKES90B1/4**

- Jacks, 6ea Switchcraft 112A**

- Pots, 3ea containing the following (either part will work):**

3ea 100K lin Spectrol 149-71104/148-71104	VR1-3
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- Front panel**

- Printed Circuit Board**

- Mounting bracket**

- Wire bag, containing the following 10 wires:**

1ea long RG-174 coax	J4
2ea short RG-174 coax	J5, J6
1ea 2-wire set 22ga. (white/black) long	J3
1ea 2-wire set 22ga. (orange/white) long	J1
3ea 3-wire set 22ga. (orange/white/gray) short	SW1, SW2
1ea 2-wire set, 22ga. 3½" (red/black)	J2
1ea Power Cable, 20"	

- Hardware bag, containing:**
 - 4ea #8-32 x 3/8" black screws (for mounting module to rack)
 - 4ea #6-32 x 1/2" zinc screws (for attaching pc board to bracket)
 - 4ea 1/4" aluminum spacers
 - 4ea #6 KEPS nuts (for pc board)
 - 5ea small tie-wraps

- Organic Solder AND No-Clean solder (1 bag each type)**