

JTM45 Clone

Bill Of Material

Most important parts! Screws and other joining elements not listed.

Listed parts are just examples or what I personally prefer. Others may fit as well.

Explanatory pricing by : www.tube-town.net

Type	Value	Voltage	Power	Count	Comment	TT-Price p/p	TT-Sum
Resistors	Ohms	Volts	Watts	pcs		€	€
R1, R2, R20, R25	1M		0,5-1	4	XICON carbon film or other	0,12	0,48
R3, R4, R5, R6	68k		0,5-1	4	XICON carbon film or other	0,13	0,52
R9, R13	820R		0,5-1	2	XICON carbon film or other	0,13	0,26
R7, R8, R12, R14, R23	100k		0,5-1	5	XICON carbon film or other	0,13	0,65
R10, R11	270k		0,5-1	2	XICON carbon film or other	0,13	0,26
R15, R28	56k		0,5-1	2	XICON carbon film or other	0,13	0,26
R21	82k		0,5-1	1	XICON carbon film or other	0,13	0,13
R24	470R		0,5-1	1	XICON carbon film or other	0,13	0,13
R22	10k		0,5-1	1	XICON carbon film or other	0,14	0,14
R29, R30	220k		0,5-1	2	XICON carbon film or other	0,13	0,26
R37, R38	5,6k		0,5-1	2	XICON carbon film or other	0,13	0,26
R31, R32	1,0R		2	2	metall oxide [bias]	0,27	0,54
R33	27k		0,5-1	1	XICON carbon film or other	0,13	0,13
R19	180k		0,5-1	1	XICON carbon film or other	0,13	0,13
R26	15k		0,5-1	1	XICON carbon film or other	0,13	0,13
R18	10k		2	1	metal oxide	0,12	0,12
R27	8,2k		2	1	metal oxide	0,21	0,21
R36	1k		5	1	metal oxide / ceramic	0,55	0,55
R34, R35	470R		2	2	metal oxide	0,19	0,38
R16, R17	100R		2	2	metal oxide	0,19	0,38
Capacitors	Microfarad	Volts		pcs			
C2, C3, C6, C7, C10, C14, C15	0,022	630		7	=22nF (Mallory 150's) axial	0,88	6,16
C12, C16	0,01	630		2	=10nF (Mallory 150's) axial	0,97	1,94
C9	0,0047	630		1	=47nF (Mallory150's) axial	1,10	1,10
C4	0,0001	500		1	=100pF (Silver Mica)	0,38	0,38
C5	0,0005	500		1	=500pF (Silver Mica)	1,00	1,00
C6	0,00025	500		1	=250pF (Silver Mica)	0,55	0,55

C11	0,000047	500	1	=47pF (Silver Mica)	0,35	0,35
C1	220	63	1	electrolytic axial	0,67	0,67
C13, C17	10	100	2	electrolytic axial		0,00
Cy1/2	16+16	450	1	dual-electrolytic (JJ) radial	5,55	5,55
Cx1/2	32+32	500	1	dual-electrolytic (JJ) radial	5,20	5,20
Capacitor Clamp	35mm		2	for dual capacitors	1,50	3,00
Other Electronic Parts			pcs			
Diode	1N4007		1	100V, 1A	0,04	0,04
Tube Sockets						
Tube Socket	noval		3	solder pins, ceramic, shield	1,79	5,37
Tube Socket	octal		3	solder pins, ceramic	1,50	4,50
Fuses						
	Amperes					
F1	2A		1	slow blow [10pcs/pack)	1,20	1,20
F2, F3	500mA		1	slow blow [10pcs/pack)	1,19	1,19
Fuse Holder						
F1, F2	5 x 20mm		2	chassis mount	2,05	4,10
Potentiometers						
	Ohms		pcs			
P1, P2, P4	1M log		3	(Alpha 24mm, 6,35mm solid shaft)	1,30	3,90
P3	250k lin		1	(Alpha 24mm, 6,35mm solid shaft)	1,30	1,30
P5	25k lin		1	(Alpha 24mm, 6,35mm solid shaft)	1,30	1,30
P6	5k lin		1	(Alpha 24mm, 6,35mm solid shaft)	1,30	1,30
Knobs	Gold Cap		6	Marshall style, 6 - 6,4mm	1,35	8,10
Jacks						
Input Jack	6,3mm		4	Cliff Mono, switched, solder lugs	1,15	4,60
Output Jack	6,3mm		2	Cliff mono, solder lugs	0,85	1,70

Power Jack	230V		1	chassis mount	1,90	1,90
Switches						
S1	2pol	230V	1	power (APEM 641 H/2)	6,10	6,10
S2	1pol	230V	1	standby (APEM 631 H/2)	3,65	3,65
S3	Imp. Select		1	4-8-16 Ohms	33,70	33,70
Turretboard						
TT Turrentboard *			1	TT-Turretboard JTM45	19,50	19,50
Transformers						
Power Transformer	N6US		1	(Welter)	69,80	69,80
Shielding Cover	H96oF		1	(Welter)	6,80	6,80
Output Transformer	Ü-JTM45		1	(Welter)	96,90	96,90
Choke	DR1		1	(Welter)	36,60	36,60
Electronic Tubes						
KT66			2	(JJ-Electronics)	38,50	77,00
ECC83			3	(JJ-Electronics)	8,95	26,85
GZ34			1	(JJ-Electronics)	14,90	14,90
Chassis						
Alu Chassis	TT Type 001		1	430 x 170 x 65	24,90	24,90
Front + Back Faceplate	TT Type		1	Art.-Nb.: lab-jtm45	34,90	34,90
Speaker						
Celestion			1	e.g. Vintage 30-12" / 60W / 8 Ohms	135,00	135,00
Miscellaneous						
Power Cord		230V	1		2,95	2,95
Pilot Lamp		6V	1	Marshall type [altern. 230V]	13,60	13,60
Rubber Grommets	10mm		3		0,14	0,42
Spacer	10mm		4	for rivet board	0,24	0,96

Contact Washer	4mm	1	PE-connection to chassis	0,15	0,15
Terminal Lock Washer Lug	M4	5	PE-connection & star ground	0,29	1,45

Summe **678,45**

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Turret Board Alternative

Eyeletboard, blank	1,6 mm	1 (Tube-Town)	380 x 76 x 1,6 mm	2,95	2,95
Eyelet 1/8 x 0.125	50s Pack	1 (Tube-Town)		4,95	4,95
Eyelet Stacking Tool		1 (Tube-Town)		3,75	3,75
				<u>Sum:</u>	<u>11,65</u>