

HAMPTONE TAPEOPTO COMPRESSOR REV1 BOM

Designation	Part	Value	Vendor	Part No	Price (per 100)
Resistors					
R1	4.7K	1/4W	Mouser	271-4.7K	0.02
R2	10K	AUDIO TAPER POT	Mouser	313-1510-10K	0.95
R3	10K	1/4W	Mouser	271-10K	0.02
R4	806	1/4W	Mouser	271-806	0.02
R5	160K	1/4W	Mouser	271-160K	0.02
R6	33K	1/4W	Mouser	271-33K	0.02
R7	10K	1/4W	Mouser	271-10K	0.02
R8	806	1/4W	Mouser	271-806	0.02
R9	560	1/2W	Mouser	273-560	0.06
R10	33K	1/4W	Mouser	271-33K	0.06
R11	1.0K	1/4W	Mouser	271-1K	0.02
R12	1M	AUDIO TAPER POT	Mouser	313-1510-1M	0.95
R13	10K	1/4W	Mouser	271-10K	0.02
R14	806	1/4W	Mouser	271-806	0.02
R15	33k	1/4W	Mouser	271-33K	0.02
R16	330K	1/4W	Mouser	271-330K	0.02
R17	422K	1/4W	Mouser	271-422K	0.02
R18	422K	1/4W	Mouser	271-422K	0.02
R19	10K	1/4W	Mouser	271-10K	0.02
R20	560	1/2W	Mouser	273-560	0.06
R21	3.3K	1/4W	Mouser	271-3.3K	0.02
Capacitors					
C1	100uF / 35V	ELECTROLYTIC	DigiKey	P5165-ND	0.14
C2	2.2uF / 50V	ELECTROLYTIC	Mouser	140-HTRL50V2.2	0.16
C3	100uF / 35V	ELECTROLYTIC	DigiKey	P5165-ND	0.14
C4	100uF / 35V	ELECTROLYTIC	DigiKey	P5165-ND	0.14
C5	0.1nF / 50V	POLY	Mouser	140-PF1H104K	0.12
C6	0.1nF / 50V	POLY	Mouser	140-PF1H104K	0.12
C7	2.2uF / 50V	ELECTROLYTIC	Mouser	140-HTRL50V2.2	0.16
C8	100uF / 35V	ELECTROLYTIC	DigiKey	P5165-ND	0.14
C9	100uF / 35V	ELECTROLYTIC	DigiKey	P5165-ND	0.14
Misc Devices					
D1	IN4007	RECTIFIER DIODE	Mouser	625-1N4007	0.03
D2	IN4007	RECTIFIER DIODE	Mouser	625-1N4007	0.03
D3	LED	ORANGE DIFFUSED	DigiKey	511-1260-ND	0.12
U1	VACTROL	PHOTO RESISTOR + LED	ALLIED	VTL5C1	3.05
U2	N CHANNEL JFET	TO92	DigiKey	2N5457OS-ND	0.28
U3	N CHANNEL JFET	TO92	DigiKey	2N5457OS-ND	0.28
U4	NPN TRANSISTOR	TO92 + 0.5DIA HS	DigiKey	ZTX653-ND	0.54
U5	N CHANNEL JFET	TO92	DigiKey	2N5457OS-ND	0.28
U6	SINGLE, RAIL-RAIL LOW OFFSET OP AMP	DIP8	DigiKey	OPA251PA-ND	1.61
U7	NPN TRANSISTOR	TO92 + 0.5DIA HS	DigiKey	ZTX653-ND	0.54
U8	NPN TRANSISTOR	TO92 + 0.5DIA HS	DigiKey	ZTX653-ND	0.54
U9	20VDC FIXED VOLTAGE REGULATOR	TO220	DigiKey	NJM78M20FA-ND	0.36
J1	POWER ENTRY JACK		Mouser	163-4302	0.81
WWART	24VDC 400mA 2.1MM		Mouser	412-124044	6.38
POT	LINEAR TAPER: 1/4" SHAFT SOLDER LUG (OPTIONAL)		Mouser	31VA602	1.26
TOTAL COST:					19.77