

Naim NAP200 - Parts List

Update 7-Feb-2016

Part ID	Description	PKG	Manuf.	Part No	Distrib	QTY
Amplifier Section (one channel)						
Amp	NAP200 Amp kit				ebay	1
Semiconductors						
TR1, TR2	Trans. BC239C (matched and selected, see note)	TO92	Motorola		ebay	2
Other choice	Trans. BC550C	TO92				
TR3, TR3a	Trans. MPSA06, NPN	TO92			kit	2
TR4	Trans. ZTX753, PNP, 120V, 2A, 1W	TO92			kit	1
TR5, TR7, TR8a	Trans. 2N5089, NPN	TO92			kit	3
TR6	Trans. ZTX653, NPN, 120V, 2A, 1W	TO92			kit	1
TR7a, TR8	Trans. 2N5087, PNP	TO92			kit	2
TR9	Trans. MJE243, NPN, 4A 100V 15W	TO126			kit	1
TR10	Trans. MJE253, PNP, 4A 100V 15W	TO126			kit	1
TR11, TR12	Trans. Sanken 2SC2922				kit	4
D1,D2,D5-D9	Diode, 1N4148	DO-35			kit	7
D3, D4	Diode, 1N4007	DO-41			kit	2
Resistors						
R1, R19	Res. 22k, .25W, 1%, MF				kit	1
R2	Res. 4k7, .25W, 1%, MF				kit	1
R3,16,20,29,32,33	Res. 1k, .25W, 1%, MF				kit	6
R4	Res. 27k, .25W, 1%, MF				kit	1
R4 upgrade	Res. 27K, 50ppm, CFM55 Series		Vishay	CMF5527K000FHB	Mouser	2
R5	Res. 39R, .25W, 1%, MF				kit	1
R6	Res. 100k, .25W, 1%, MF				kit	1
R8, R9, R17	Res. 270R, .25W, 1%, MF				kit	3
R10, R11	Res. 150R, .25W, 1%, MF				kit	2
R12-R14	Res. 0R22, 1W , Vishay Sfernice Series				kit	3
R15	Res. 12R, 1W , Vishay Sfernice Series				kit	1
R18	Res. 5k6, .25W, 1%, MF				kit	1
R21, R22, R28	Res. 330R, .25W, 1%, MF				kit	3
R23	Res. 68R, .25W, 1%, MF				kit	1
R24	Res. 27R, .25W, 1%, MF				kit	1
R25	Res. 2k, .25W, 1%, MF				kit	1
R26	Res. 1k2, .25W, 1%, MF				kit	1
R27	Res. 180R, .25W, 1%, MF				kit	1
R30	Res. 120R, .25W, 1%, MF				kit	1
R31, R34	Res. 15k, .25W, 1%, MF				kit	1
R35, R36	Res. 3k9, .25W, 1%, MF				kit	2
R37-R39	Res. 100R, .25W, 1%, MF				kit	3
Capacitors						
C1	Cap. 10uF,35V, Tantalum				kit	1
Possible upgrade	Cap. 10uF,63V, MMK Series		Panasonic	MMK22.106K63D15L4	Mouser	2
C2	Cap. 2x47uF,16V, Tantalum				kit	2
Possible upgrade	Cap. 100uF, 60V, Wet Tantalum	0.2x0.6"	Vishay	109D107X9060F2E3	Newark	2
C3	Cap. 47uF, electrolytic				kit	1
C6, C7	Cap. 220uF, 35V, electrolytic				kit	2
Following capacitors are original small ceramic in the kit, but Naim uses polystyrene, all were upgraded in my kit...						
C4	Cap. 39pF, Polystyrene (33pF available)			78K7242	Newark	2
C5, C9	Cap. 10pF, Polystyrene			74K3376	Newark	4
C8	Cap. 470pF, Polystyrene				Newark	2
C10	Cap. 220pF, Polystyrene				Newark	2
C11	Cap. 100pF, Polystyrene				Newark	2
C12	Cap. 47pF, Polystyrene			97K0243	Newark	2
C13, C15	Cap. 220pF, Film		Wima		kit	2
C14	Cap. 470pF, Film		Wima		kit	1
C16	Cap. 0.22uF, 63V Film				kit	1
Power Supply Section (both channels)						
	Rectifier bridge				kit	2
	Cap. 10000uF, 50V	D35H50	Nichicon		kit	4
Upgrade Caps	Cap. KENDEIL 10000uF, 63V	D35H50	KENDEIL		ebay	4
Preamplifier Section (not included)						
C1	Cap. 4700uF 50V, KENDEIL	D30L40	KENDEIL		ebay	1

C2,C3	Cap. 10uF,35V, Tantalum					2
R1	Res. 221R, .25W, 1%, MF					1
R2	Res. 3k32, .25W, 1%, MF					1
R3	Res. 820R, .25W, 1%, MF					1
Rled	Res. 4k75, .25W, 1%, MF					1
Power Led	Led, green					1
D1,D2	UF4007, Rectifier diode	DO41				2
U1	LM317, Adj. Volt Reg	TO220				1
Heatsink	HEATSINK TO-220 10W H=1.5" BLK			HS276-ND	Digikey	1
Led conn.	Conn. 2 pins	Molex	WM4200-ND		Digikey	1
	Housing 2 pins	Molex	WM2000-ND		Digikey	1
	Crimp pin	Molex	WM1114-ND		Digikey	2
Hardware						
Chassis	Slimline U2 W435(415int)xD350xH80mm, 3mm alu plate, black	Hifi2000	1NSLA02350N	Hifi2000		1
	Optional blank cover	Hifi2000	3SLA0103350CIECS	Hifi2000		1
T1	Trans. Dual Prim 115V, 2 Sec.56Vct,3.6A, 1xSec 26V, 0.96A, · D116H56	Tiger		Tiger UK		1
SW1	Switch, SPST, NO, 2 leds Red/Blue			Local		0
Spkr Out	Conn. Speaker					0
In/Out	DIN In/Out connector, 4 pins, female, panel mount	PREHKEYTEC	99K0379	Newark		1
Pwr Cable	Conn. 4 pins, male	PREHKEYTEC	99K0392	Newark		2
Preamp Cable	Conn. 5 pins, male	PREHKEYTEC	99K0393	Newark		6