



[PREVIEW]

1 More thing

**The one bill to build
your legend**

analogvibes

[PREVIEW]

Bill of materials

TUBE OPTO COMPRESSOR

Now here's your recipe - a complete list
to all the components you'll need to build your (first) legend...

Alright folks - I put a lot of effort into putting this list together for you to get you started. Here's a short guide on how to use it:
As you can see I included all the links to every single component, but of course there are many more sources - this is only a suggestion. As you can see some links are blue while others are orange. Here's why: **If you wanna keep it simple** you can click that one big „MOUSER CART“ link below - and it will add all the **blue links** to a Mouser shopping cart - nice & easy. (Mouser includes **FREE SHIPPING WORLDWIDE** on orders above **EUR 65,00**). The **orange links** are not available at Mouser's or are other available options (as noted) - you'll have to order them separately by following the particular links.
What's not included in the list is wires. You can choose stranded or solid-core wire to your liking (I'll write a dedicated article on that later). Important: Use slightly larger diameter wire for the PSU and the heaters (18AWG or 20 AWG). For the rest of the circuit use 22AWG (or even 24AWG for signal wires). If you have no clue what AWG means, use this **CONVERTER (link)** to convert to mm².
One last thing - I'm not perfect, so if you should find a mistake - let me know and I'll correct it ASAP. Also, I'm still working on this list and I'll extend and update it in the future with further tips etc. - so if you subscribed, you'll always get the latest list directly delivered to your mailbox! **Now good luck & I hope this helps!**

>> MOUSER CART <<

Qty.	Part No.	Resistors		Source
1	R36	470R		MOUSER LINK
4	R18,R20,R31,R32	1K		MOUSER LINK
1	R10	1.5K		MOUSER LINK
2	R7, R14	2.7K		MOUSER LINK
1	R24	3.9K		MOUSER LINK
1	R29	4.7K 2W		MOUSER LINK
1	R23	6.8K		MOUSER LINK
1	R17	10K		MOUSER LINK
1	R27	10K		MOUSER LINK
1	R34	10K 2W		MOUSER LINK
1	R38	22K		MOUSER LINK
2	R22, R25	33K	(R25 = meter tracking in GR mode. Depending on the T48 cell used schematic states the value can vary between 27K-100K)	MOUSER LINK
1	R30	47K		MOUSER LINK
4	R5, R6, R11, R16	68K		MOUSER LINK
1	R21	100k		MOUSER LINK
4	R13, R33, R35, R9	220K		MOUSER LINK
1	R26	330K		MOUSER LINK
4	R12, R15, R19, R28	470K		MOUSER LINK

		Capacitors		
1	C4	50-380pf	either variable cap or fixed value	SURPLUSALES LINK
1	N.A.	470pf (parallels NE2)		MOUSER LINK
1	C13	510pf		MOUSER LINK
1	C12	0.001uf		MOUSER LINK
3	C6, C8-1, C11	0.01uf		MOUSER LINK
3	C1, C8-2, C9	0.02uf		MOUSER LINK
2	C2, C3	0.1uf		MOUSER LINK
1	C5	10uf 450V		MOUSER LINK
2	C7C C7D	22uf/450V		MOUSER LINK
2	C7A C7B	47uf/450V		MOUSER LINK
1	C10	100uf/25V		MOUSER LINK
	optional			
1	substitute C4 (C14)	330pf	fixed value (close to vintage), lower value = more hf roll-off	MOUSER LINK
1	Can cap C7ABCD	50-380pf	choose (CTM) 465	SURPLUSALES LINK
		40/40/30/30uf / 450V	(optional) Instead of using 47uf & 22uf electrolytics	TUBESANDMORE LINK

		Other Small Components		
2	CR1, CR2	1N4007		MOUSER LINK
2	DS1	NE-2 neon		MOUSER LINK
4	Fuse	400mA Sioblo		MOUSER LINK
	optional			
2	Diode	(42V Zener)	instead of the NE-2 Neon (you can also install both in parallel - looks & reliability :)	MOUSER LINK

		Switches, Pots & Knobs		
2	R1, R2	100k Audio		TUBESANDMORE LINK
3	R3,R4,R37	1M Lin		DIGREY LINK - NEWARK LINK
2	SW1+SW3	SPST		MOUSER LINK
1	SW2	3Pole 3Pos.	TIP: the original used ceramic switches - look for ceramic rotary switches - very cheap and heavy duty!	TUBESANDMORE LINK
3	Knobs	Davis Molding		MOUSER LINK

		Terminal-Boards & Hardware		
2	TB1+TB2	5 pole input/output terminal board		MOUSER LINK
1	TB3	5 pole A.C. input terminal board		MOUSER LINK - TUBESANDMORE LINK
1	TB4	Main input board 2342		MOUSER LINK
1	TB5	Mini YU input board		MOUSER LINK
1	TB6	4 terminal electrolytic board		MOUSER LINK
1	TB7	4 terminal electrolytic board		MOUSER LINK
1	TB8	4 terminal electrolytic board		MOUSER LINK
1	TB9	4 terminal electrolytic board		MOUSER LINK
1	TB10	4 terminal electrolytic board		MOUSER LINK
1	TB11	4 terminal electrolytic board		MOUSER LINK
1	TB12	4 terminal electrolytic board		MOUSER LINK
1	TB13	4 terminal electrolytic board		MOUSER LINK
1	TB14	4 terminal electrolytic board		MOUSER LINK
1	TB15	4 terminal electrolytic board		MOUSER LINK
1	TB16	4 terminal electrolytic board		MOUSER LINK
1	TB17	4 terminal electrolytic board		MOUSER LINK
1	TB18	4 terminal electrolytic board		MOUSER LINK
1	TB19	4 terminal electrolytic board		MOUSER LINK
1	TB20	4 terminal electrolytic board		MOUSER LINK
1	TB21	4 terminal electrolytic board		MOUSER LINK
1	TB22	4 terminal electrolytic board		MOUSER LINK
1	TB23	4 terminal electrolytic board		MOUSER LINK
1	TB24	4 terminal electrolytic board		MOUSER LINK
1	TB25	4 terminal electrolytic board		MOUSER LINK
1	TB26	4 terminal electrolytic board		MOUSER LINK
1	TB27	4 terminal electrolytic board		MOUSER LINK
1	TB28	4 terminal electrolytic board		MOUSER LINK
1	TB29	4 terminal electrolytic board		MOUSER LINK
1	TB30	4 terminal electrolytic board		MOUSER LINK
1	TB31	4 terminal electrolytic board		MOUSER LINK
1	TB32	4 terminal electrolytic board		MOUSER LINK
1	TB33	4 terminal electrolytic board		MOUSER LINK
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1	TB35	4 terminal electrolytic board		MOUSER LINK
1	TB36	4 terminal electrolytic board		MOUSER LINK
1	TB37	4 terminal electrolytic board		MOUSER LINK
1	TB38	4 terminal electrolytic board		MOUSER LINK
1	TB39	4 terminal electrolytic board		MOUSER LINK
1	TB40	4 terminal electrolytic board		MOUSER LINK
1	TB41	4 terminal electrolytic board		MOUSER LINK
1	TB42	4 terminal electrolytic board		MOUSER LINK
1	TB43	4 terminal electrolytic board		MOUSER LINK
1	TB44	4 terminal electrolytic board		MOUSER LINK
1	TB45	4 terminal electrolytic board		MOUSER LINK
1	TB46	4 terminal electrolytic board		MOUSER LINK
1	TB47	4 terminal electrolytic board		MOUSER LINK
1	TB48	4 terminal electrolytic board		MOUSER LINK
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1	TB65	4 terminal electrolytic board		MOUSER LINK
1	TB66	4 terminal electrolytic board		MOUSER LINK
1	TB67	4 terminal electrolytic board		MOUSER LINK
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1	TB97	4 terminal electrolytic board		MOUSER LINK
1	TB98	4 terminal electrolytic board		MOUSER LINK
1	TB99	4 terminal electrolytic board		MOUSER LINK
1	TB100	4 terminal electrolytic board		MOUSER LINK