

**pmillett.com filament regulator BOM**

Qty	Value	Device	Parts	Manufacturer	Mfg PN	Vendor	Vendor PN	Cost Ea	Cost Ext	Comments
1	0.1UF	0.1uF film cap 0.1" or 0.2" LS	C2	Panasonic	ECQ-V1H105JL	Mouser	667-ECQ-V1H105JL	\$0.36	\$0.36	Can use other values / types
1	0.1UF	0.1uF ceramic cap 0.1" LS	C6	Murata	RPER71H104K2P1A03B	Mouser	81-RPER71H104K2P1A03B	\$0.12	\$0.12	
3	6800uF 16V	6800uF 16V Electrolytic 16mm dia 7.5mm LS	C1, C5, C8	Lelon	REA682M1CBK-1632P	Mouser	140-REA682M1CBK1632P	\$1.39	\$4.17	
3	100uF 16V	100uF 16V Electrolytic 7mm dia 2.5mm LS	C3, C4, C7	Lelon	REA101M1CTA-0611P	Mouser	140-REA101M1CTA0611P	\$0.08	\$0.24	
4	MBR735	Schottky rectifier TO-220 (MBR735 or equiv)	D1, D2, D3, D4	Vishay	MBR735-E3/45	Mouser	625-MBR735-E3	\$0.82	\$3.28	
1	529802B02500G	Heatsink TO-220 extruded	HS1	Aavid	529802B02500G	Mouser	532-529802B025G	\$1.38	\$1.38	
1	8mH 3.2A	Common mode inductor	L1	Triad Magnetics	CMT908-V3	Mouser	553-CMT908V3	\$4.78	\$4.78	Optional
1	500	500 ohm Trimpot 3266W type	R1	Bourns	3266W-1-501LF	Mouser	652-3266W-1-501LF	\$2.94	\$2.94	
3	121	1/4W 1% metal film resistor	R2, R3, R4	Vishay	CCF55121RFKR36	Mouser	71-CCF55-121	\$0.06	\$0.18	
2	n/a	Terminal block 2 pos 5mm LS	TS1, TS2	Molex	39543-0002	Mouser	538-39543-0002	\$0.43	\$0.86	
1	LT1084T	IC LDO regulator LT1084 type TO-220-3	U1	ST Micro	LD1084V	Mouser	511-LD1084V	\$2.54	\$2.54	Or Linear Tech LT1084CT, National LM1084IT
1	PCB	Blank printed circuit board		pmillett.com	FILREG	eBay		\$15.00	\$15.00	
							Total		\$35.85	