

DJB Dome Filter Calculations

1. Type in Capacitor value (1% Capacitor or measured Capacitance), and see if Total R. value is reasonable (between 10kOhm and 1MegOhm)
2. Choose 1st Resistor: The next standard E24 value that is smaller than Total R.
3. Read calculated Resistor and choose closest standard E24 value (larger or smaller, whatever is closer).

Stage No.	Time Const. (us)	Cap. (nF)	Measured	Total R. (kohm)	Select R1 (kohm)	Delta R. (ohm)	Select R2 (ohm)	Error Delta R. (ohm)
A1	29400	CA1 [nF] =	102.900	285.71	RA11[k?] = 267.00	18714	RA12 = 18700	14.286
A2	3870	CA2 [nF] =	9.920	390.12	RA21[k?] = 390.00	121	RA22 = 121	-0.032
A3	951	CA3 [nF] =	8.450	112.54	RA31[k?] = 110.00	2544	RA32 = 2550	-5.621
A4	237	CA4 [nF] =	4.770	49.69	RA41[k?] = 47.00	2686	RA42 = 2670	15.535
A5	59.1	CA5 [nF] =	2.200	26.86	RA51[k?] = 24.00	2864	RA52 = 2870	-6.364
A6	13.3	CA6 [nF] =	0.990	13.43	RA61[k?] = 13.00	434	RA62 = 432	2.343
B1	8470	CB1 [nF] =	22.400	378.13	RB11[k?] = 374.00	4125	RB12 = 4120	5.000
B2	1910	CB2 [nF] =	9.850	193.91	RB21[k?] = 192.00	1909	RB22 = 1910	-1.371
B3	475	CB3 [nF] =	4.790	99.16	RB31[k?] = 97.60	1565	RB32 = 1580	-15.073
B4	118	CB4 [nF] =	2.230	52.91	RB41[k?] = 51.00	1915	RB42 = 1910	4.798
B5	29.1	CB5 [nF] =	1.178	24.70	RB51[k?] = 24.00	703	RB52 = 698	4.886
B6	3.83	CB6 [nF] =	0.324	11.82	RB61[k?] = 11.00	821	RB62 = 820	0.988