

## DUAL BANDPASS FILTER MODEL 291 - v1.0 (PCB1)

### CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
470nF	C12	2	FILM 5MM LS	667-ECQ-V1H474JL

### RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
47K	R25	2	1% 1/4W	271-47K-RC
68K	R26, R34	4	1% 1/4W	271-68K-RC
62K	R31, R41	4	1% 1/4W	271-62K-RC
4M7	R40	2	5% 1/4W	291-4.7M-RC
1M	R42	2	1% 1/4W	271-1.0M-RC
B10-100K	POT1	2	9MM VERTICAL	652-PTV09A-4030UB203
A10-100K	POT2	2	16MM ANGLED	<a href="http://www.smallbearelec.com/servlet/Detail?no=692">http://www.smallbearelec.com/servlet/Detail?no=692</a>
B10-100K	POT3, POT4, POT5, POT6	8	16MM ANGLED	<a href="http://www.smallbearelec.com/servlet/Detail?no=692">http://www.smallbearelec.com/servlet/Detail?no=692</a>

### MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
	J2, J2, J3, J3, J4, J4, J5, J5	8	TINIJAX	502-41
	J6, J6, J7, J7	4	BANANA JACK BLACK	530-108-0903-1
	PBD1	1	PBD 30 PIN FEMALE	517-929975-01-15-RK

## DUAL BANDPASS FILTER MODEL 291 - v1.0 (PCB2)

### SEMICONDUCTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
1N457	D1	2		512-1N457
1N5228	Z1	2		512-1N5228B
TL074	IC1	2		511-TL074CN
TL071	IC2	2		511-TL071CN
LS3958	Q1, Q2,	4	TO-71 CASE	MICROSS.COM
PN3566	Q3, Q4	4		610-PN3565

### CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
22nF	C5, C5, C9, C9	4	FILM 5MM LS	667-ECQ-V1H223JLW
1nF	C6	2	FILM 5MM LS	80-R82EC1100AA50J
220pF	C7	2	CERAMIC 5MM LS	140-50S5-221J-RC
470pF	C8	2	CERAMIC 5MM LS	140-50S5-471J-RC
47pF	C10	2	FILM 5MM LS	140-50N5-470J-RC
15uFx35V	C2, C3, C11	4	TANTALUM SMD CASE D	74-TR3D156K035C0150
0.1uF	F1, F2	2	CERAMIC 5MM LS	581-SA105E104M

### RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
5K6	R1, R2	4	1% 1/4W	271-5.6K-RC
33K	R3, R6	4	1% 1/4W	271-33K-RC
47K	R4	2	1% 1/4W	271-47K-RC
6K8	R5, R15, R30	6	1% 1/4W	271-6.8K-RC
10M	R7, R12	4	5% 1/4W	291-10M-RC
2M2	R8	2	5% 1/4W	291-2.2M-RC
1K	R9, R18, R21, R22, R38	10	1% 1/4W	271-1K-RC
10K	R10, R16, R23 R24	8	1% 1/4W	271-10K-RC
680R	R11, R19	4	1% 1/4W	271-680-RC
150R	R13, R20	4	1% 1/4W	271-150-RC
4K7	R14, R17	4	1% 1/4W	271-4.7K-RC
1K5	R27, R28, R35, R36	8	1% 1/4W	271-1.5K-RC
15K	R29, R37	4	1% 1/4W	271-15K-RC
68R	R32	2	1% 1/4W	271-68-RC
220R	R33	2	1% 1/4W	271-220-RC
100K	R39	2	1% 1/4W	271-100K-RC
5K	TR1	2	SINGLE TURN	858-25PR5KLF

### MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
VTL5C3	V1, V1, V2, V2, V3, V3, V4, V4	8	SINGLE VACTROL	<a href="http://www.smallbearelec.com/servlet/Detail?no=347">http://www.smallbearelec.com/servlet/Detail?no=347</a>
		1	POWER CONNECTOR	587-306-50-010
	PLD1	1	PLD 30 PIN MALE	517-929836-09-16