

4 CHANNEL COMB FILTER MODEL 294 - v1.1

SEMICONDUCTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
TL074	IC1, IC2	2	LOW-NOISE JFET-INPUT OPERATIONAL AMPLIFIER	511-TL074CN

CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
1.5nF	C1, C2, C3	3	Film Capacitor (5mm LS)	871-B32529C1152J
10nF	C4, C5, C6, C14	4	Film Capacitor (5mm LS)	871-B32529C1103J
100pF	C7, C8, C10, C17, C18, C29, C30, C31	8	Ceramic Capacitor (5mm LS)	140-50S5-101J-RC
470nF	C9	1	Film Capacitor (5mm LS)	871-B32529C1474K189
4.7nF	C11	1	Film Capacitor (5mm LS)	871-B32529C1472J
22nF	C12, C26	2	Film Capacitor (5mm LS)	871-B32529C1223J
220pF	C13	1	Ceramic Capacitor (5mm LS)	140-50S5-221J-RC
47nF	C15, C23, C24, C25	4	Film Capacitor (5mm LS)	871-B32529C1473J
470pF	C16	1	Ceramic Capacitor (5mm LS)	140-50S5-471J-RC
10uFx35V	C19, C21	2	Electrolytic Capacitor (2mm LS)	647-UVR1H100MDD1TA
100nF	C27	1	Film Capacitor (5mm LS)	871-B32529C1104J
910pF	C28	1	Film Capacitor (5mm LS)	871-B32529C1102J
0.1uF	F1, F2	2	Ceramic Capacitor (5mm LS)	581-SA105E104M

RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
12K	R1	1	1% 1/4W Resistor	271-12K-RC
1K5	R2, R28	2	1% 1/4W Resistor	271-1.5K-RC
180K	R3, R6	2	1% 1/4W Resistor	271-180K-RC
68K	R4, R7, R8, R23, R24, R25, R26, R31	8	1% 1/4W Resistor	271-68K-RC
1K8	R5	1	1% 1/4W Resistor	271-1.8K-RC
220R	R9, R10, R32, R34, R35	5	1% 1/4W Resistor	271-220-RC
33K	R11, R12, R13, R15, R19, R20, R21, R37, R38	9	1% 1/4W Resistor	271-33K-RC
39K	R14	1	1% 1/4W Resistor	271-39K-RC
18K	R16, R17, R18	3	1% 1/4W Resistor	271-18K-RC
22K	R22	1	1% 1/4W Resistor	271-22K-RC
91K	R27	1	1% 1/4W Resistor	271-91K-RC
4K7	R29	1	1% 1/4W Resistor	271-4.7K-RC
150K	R30	1	1% 1/4W Resistor	271-150K-RC
10K	R33	1	1% 1/4W Resistor	271-10K-RC
56K	R36	1	1% 1/4W Resistor	271-56K-RC
4.99K		4	1% 0805 SMD Resistor	71-CRCW0805-4.99K-E3
50K	POT1	4	Potentiometer	http://www.newark.com/alps/rs4511150k/potentiometer-slide-50k-potentiometer/dp/01M8725?Ntt=RS4511150K

MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
	L1, L2	2	Ferrite Bead	667-EXC-ELSA35V
	XS1, XS2, XS3, XS4, XS5, XS7, XS8, XS9, XS10, XS11, XS12	11	Tinijax	502-41
	XS6	1	Power Connector	587-306-50-010
		4	Black Switch Caps	108-00332-EV
		2	14-PIN DIP Socket	535-14-3518-10