

SEMICONDUCTORS

MCM has an extensive selection of SMD
(Surface Mount Devices) which are denoted
on the following page with an *(asterisk)!

COUNT ON MCM TO ALWAYS PROVIDE...

- High quality semiconductors
- Original parts-never rebrands
- Broad selection
- Competitive pricing
- Hard to find items
- Customer support
- One year warranty
- Parts listed in computer sort order

If MCM is not able to supply an item, a guaranteed substitute may be sent.

Semiconductors/Components

Audio Power	Multicomp	360, 364
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Meggitt		



New semiconductors are printed in purple.

Order #	(1-9)	Order #	(1-9)	Order #	(1-9)	Order #	(1-9)	Order #	(1-9)	Order #	(1-9)	Order #	(1-9)	Order #	(1-9)		
A3141LUA	\$1.64	AD594AD	\$26.40	AD797BR	\$10.72	AN274	\$7.79	AN5156K	\$7.25	AN5416	\$11.95	AN6209	\$8.19	AN6553	\$3.62	AN7145	\$7.89
A3212ELHLT	0.77	AD595AQ	13.90	AD8001AR	4.76	AN278	4.10	AN5160	14.20	AN5435	3.39	AN6291	7.79	AN6554	0.46	AN7146	6.89
A3280LLHLT	1.07	AD595CD	40.29	AD811JR	6.31	AN287	3.44	AN5160NK	14.20	AN5436	1.84	AN6306	8.89	AN6555	0.98	AN7147	1.58
A3515EUA	1.81	AD595CQ	25.13	AD8138AR	5.52	AN304	7.99	AN5163	8.56	AN5436N	1.84	AN6307	4.39	AN6612	0.89	AN7148	3.93
A3515LUA	1.92	AD603AR	8.96	AD823AR	4.80	AN315	8.39	AN5163K	8.56	AN5512	2.42	AN6310	7.59	AN6876	3.69	AN7149	3.93
A3516LUA	1.92	AD606JR	45.20	AD8554AR	6.34	AN310	11.95	AN5165K	16.18	AN5515	3.36	AN6342	5.99	AN6912	1.46	AN7149N	3.93
A6275EA	1.44	AD620BN	8.50	AD9240AS	28.53	AN3310K	11.95	AN5262	4.89	AN5520	7.49	AN6344	14.95	AN6914	3.69	AN7158	9.59
A6276EA	2.13	AD620BR	8.50	AD976AR	36.24	AN3312	7.59	AN5265	0.79	AN5521	2.28	AN6346	12.42	AN7062	2.29	AN7161	4.32
A6810SA	1.88	AD625CD	58.01	AMP01GS	16.76	AN3313	7.59	AN5277	2.79	AN5522	3.99	AN6359	16.95	AN7062N	2.29	AN7161N	4.32
AC128	1.74	AD630JN	18.56	AN103	8.09	AN360	2.90	AN5301	14.95	AN5532	9.35	AN6360	7.79	AN7110	0.77	AN7161NFP	5.99
AC141	6.29	AD633JN	6.80	AN1393	3.69	AN362	7.49	AN5302	3.61	AN5539	2.29	AN6361	7.59	AN7115	5.29	AN7166	9.59
AD202JY	47.25	AD637KQ	35.05	AN1431	1.54	AN363	7.29	AN5302K	3.61	AN5551	1.39	AN6366	12.95	AN7124	1.72	AN7168	7.69
AD210AN	78.25	AD652AQ	16.58	AN1431T	0.59	AN366	5.59	AN5304NK	9.60	AN5700	2.47	AN6366NK	12.95	AN7125	3.62	AN7169	7.69
AD210BN	93.45	AD652BQ	26.25	AN1741	1.02	AN377	6.69	AN5306NFB*		AN5753	1.40	AN6387	12.95	AN7131	1.46	AN7173	4.77
AD210JN	69.30	AD654JN	3.67	AN17805A	3.59	AN4558	0.56		28.59	AN5763	1.79	AN6531	5.78	AN7134NR	4.63	AN7173K	4.77
AD215BY	79.70	AD694JN	12.36	AN211	6.79	AN5020	3.87	AN5310	23.95	AN5790	1.53	AN6551	1.59	AN7135	2.07	AN7178	2.16
AD524AD	20.51	AD699AP	28.65	AN214	8.19	AN5070	3.67	AN5320	6.79	AN5836	1.05	AN6552	0.56	AN7140	1.46	AN7178NK	2.16
AD569JN	45.60	AD7545AKN	12.39	AN217	6.29	AN5125	8.89	AN5330	14.95	AN5862	3.57						
AD581JH	6.42	AD7715AN-5	9.78	AN221	4.89	AN5135	14.95	AN5352	7.09	AN5862K	3.57						
AD590JF	16.22	AD7722AS	46.64	AN240	4.89	AN5136	3.79	AN5352N	7.09	AN612	6.29						
AD590LH	26.53	AD780BR	11.77	AN241	4.99	AN5136K	3.79	AN5410	8.79	AN614	19.83						
AD590MF	95.68	AD7846KN	49.72	AN262	6.89	AN5156	7.25										

 NET 30
Terms






 Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 **337**



Table with 3 columns: Order # (1-9), Order # (1-9), Order # (1-9). Lists various semiconductor components and their prices.

Table with 2 columns: Order # (1-9), Order # (1-9). Lists semiconductor components and prices.

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New semiconductors are printed in purple.



Table with 2 columns: Order # and Price. Rows include components like KIA7805API, KIA7809, KIA7812API, etc.

Table with 2 columns: Order # and Price. Rows include components like LM1823N, LM1875T, LM1876, etc.

Table with 2 columns: Order # and Price. Rows include components like LM393N, LM4558, LM4559, etc.

Table with 2 columns: Order # and Price. Rows include components like M51387P, M51411SP, M51414BSP, etc.

Table with 2 columns: Order # and Price. Rows include components like MC14069, MC14070BCP, MC14071BCP, etc.



section 16

Table with multiple columns for semiconductor components, listing part numbers and prices. Includes parts like 2SD2254, 2SD2259, 2SD226, etc.

Table with multiple columns for semiconductor components, listing part numbers and prices. Includes parts like 2SD675, 2SD676, 2SD677, etc.

Table with multiple columns for semiconductor components, listing part numbers and prices. Includes parts like 2SD946A, 2SD947, 2SD950, etc.

Table with multiple columns for semiconductor components, listing part numbers and prices. Includes parts like 2SK2134, 2SK214, 2SK2141, etc.

New semiconductors are printed in purple.



Order Online www.mcmelectronics.com



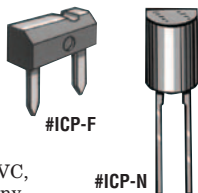
**ROHM IC Protectors,
Surface Mount**

•Features very reliable current cut-off capability that protects ICs and their circuits from accidental short circuit loads •50V •Operating temperature: -55~+125°C

Order #	Current (A)	(1-9)	(10-24)
ICP-S0.5	.5	\$1.19	\$1.16
ICP-S0.7	.7	1.19	1.16
ICP-S1.0	1.0	0.99	0.97
ICP-S1.2	1.2	0.69	0.68
ICP-S1.8	1.8	0.99	0.97
ICP-S2.3	2.3	0.69	0.66

IC Protectors

Original IC protectors used in many brands of VCRs and camcorders like JVC, RCA, Hitachi, Zenith and Sony.



Order #	Current(A)	(1-9)	(10-up)
ICP-F10	.4	\$0.59	\$0.52
ICP-F15	.6	0.59	0.54
ICP-F20	.8	0.59	0.52
ICP-F25	1.5	0.59	0.54
ICP-F38	1.54	0.59	0.52
ICP-F50	2.0	0.59	0.52
ICP-F75	2.7	0.59	0.54
ICP-N5	.25	0.59	0.52
ICP-N10	.4	0.59	0.52
ICP-N15	.6	0.59	0.54
ICP-N20	.8	0.59	0.54
ICP-N25	1.0	0.59	0.54
ICP-N38	1.5	0.59	0.54
ICP-N50	2.0	0.59	0.54
ICP-N70	2.5	0.59	0.54
ICP-N75	2.7	0.59	0.54



Clip-On Heat Sink Set

•Five spring loaded aluminum heat sinks •Just clip onto lead of heat sensitive component to solder
•Dissipates heat safely without damaging component •Five per set

Order #	(1-9 sets)	(10-24 sets)	(25-49 sets)
21-675	\$4.39	\$3.87	\$3.46

VOLTAGE REGULATOR SELECTOR GUIDE

Order #	ERS/ECG/NTE Cross Reference	Voltage Positive/Negative	Output I _O V _{OUT} (DC)	Input Voltage A D/C	V In (DC) Max	TO-92		TO-220	
						Min	PD Watts	Min	PD Watts
TO-92									
78L05	977	Positive	5	0.1	30	7	0.7		
79L05	1917	Negative	5	0.1	30	7	0.7		
78L08	981	Positive	8	0.1	30	10	1.0		
78L12	950	Positive	12	0.1	35	14	0.7		
79L12	1903	Negative	12	0.1	35	14	0.7		
78L15	951	Positive	15	0.1	35	17	0.7		
79L15	1905	Negative	15	0.1	35	17	0.7		
78L18	1906	Positive	18	0.1	35	20	0.7		
SK10050	1908	Positive	24	0.1	40	26	0.7		
TO-220									
7805	960	Positive	5	1.0	35	7	15		
7905	961	Negative	5	1.0	35	7	15		
7806	962	Positive	6	1.0	35	8	15		
7906	963	Negative	6	1.0	35	8	15		

**VOLTREX®
Low-Profile Machined
Pin Solder-Tail Sockets**

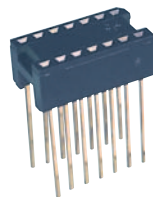
Order #	Pins	Contact Plating	(1-9)	(10-49)	(50-up)
28-8168	18	Gold	\$1.32	\$1.23	\$1.12
28-8182	24	Tin	1.32	1.23	1.12
28-8185	40	Tin	2.08	—	—
28-8174	48	Gold	3.18	3.08	2.86
28-8186	48	Tin	2.64	2.60	2.38



**VOLTREX®
Wire-Wrap DIP Sockets**

•Standard profile DIP sockets with wire-wrap termination

Order #	Pins	Contact Plating	(1-9)	(10-49)	(50-up)
28-8150	14	Gold	\$1.75	\$1.69	\$1.46
28-8152	16	Gold	1.98	1.92	1.69
28-8153	16	Tin	1.64	1.58	1.36
28-8155	24	Gold	3.18	3.08	2.74
28-8156	28	Gold	3.41	3.29	2.96
28-8157	40	Gold	4.85	4.76	4.54



**VOLTREX®
Super Flat IC Sockets**

•Super-flat machined pin low-profile DIP sockets

Order #	Pins	(1-9)	(10-49)	(50-up)
28-8190	16	\$1.53	\$1.46	\$1.36
28-8191	18	1.64	1.53	1.42
28-8192	20	1.86	1.80	1.58
28-8193	24	0.75	—	—
28-8195	40	3.41	3.28	3.05

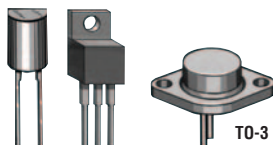


**TO-220 Style
Heat Sinks**

Order #	Mfr. #	Dimensions		(1-29)	(30-49)	(50-up)
		(H)	(W)			
28-4338	4880	-	-	\$0.90	\$0.72	\$0.62
28-4340	7128D	1.040"	.866"	0.85	0.73	0.62
28-4365	6025B-TT	1.250"	.875"	1.94	1.68	1.36
28-4386	274-2AB	.520"	.500"	0.30	0.27	0.22

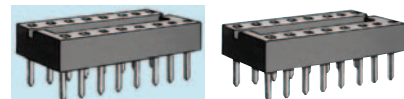


Suffixes: D Copper Material, TT Tin Tabbed, AB Black Anodized Aluminum



Dip IC Sockets

Order #	Pins	(1-9)	(10-49)	(50-up)
28-233	8	\$0.29	\$0.27	\$0.22
28-235	14	0.29	0.28	0.24
28-238	16	0.26	0.24	0.21
28-239	18	0.47	0.44	0.41
28-240	20	0.28	0.27	0.24
28-244	24	0.40	0.38	0.35
28-245	28	0.40	0.37	0.34
28-248	40	0.45	0.41	0.37
28-249	42	0.61	0.53	0.42



TO-3 Transistor Socket

•Ideal for prototype work or replacing broken TO-3 sockets
•Five per package

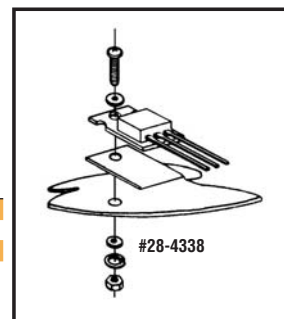
Order #	(1-2 pkgs.)	(3 pkgs.-up)
21-1645	\$6.75	\$6.02



Mini Jumpers

•Allows quick connection of circuits on circuit boards
•Shorting socket jumper for address or code strip line plugs •25 per bag

Order #	Type	Height	(1-4 bags)	(5 bags-up)
83-2170	Open	4mm	\$1.12	\$1.04
83-2175	Closed	6mm	1.12	1.01
83-2180	Open	6mm	1.29	1.19
83-2190	Open	8mm	1.12	1.01





NTE ELECTRONICS, INC.

The NTE Semiconductor product line encompasses a wide variety of high quality devices, which meet Industrial, MRO and Consumer Electronics replacement needs.

Call MCM today with all your semiconductor requirements!

Table with 4 columns: Order #, (1-4), (5-9), (10-29). Rows include NTE101 to NTE180.

Table with 4 columns: Order #, (1-4), (5-9), (10-29). Rows include NTE181 to NTE2374.

Table with 4 columns: Order #, (1-4), (5-9), (10-29). Rows include NTE2375 to NTE2920.

Table with 4 columns: Order #, (1-4), (5-9), (10-29). Rows include NTE294 to NTE4066B.

Table with 4 columns: Order #, (1-4), (5-9), (10-29). Rows include NTE4066BT to NTE5322.



NTE Surface Mount Linear ICs

•One piece per package

Order #	Description	Case	(1-4)	(5-9)
NTE778SM	Dual operational-amp NE4558D	SOIC-8	\$1.62	\$1.54
NTE832SM	Tone decoder LM567CD CM	SOIC-8	1.81	1.67
NTE834SM	Low power, low offset, quad comparator, LM339FP, D, M	SOIC-14	1.81	1.67
NTE857SM	Low noise J-FET input operational amp	SOIC-8	1.57	1.44
NTE858SM	Quad low noise J-FET input operational amp NJM353M	SOIC-8	2.23	2.05
NTE859SM	Quad low noise J-FET input operational amp	SOIC-14	3.42	3.15
NTE891SM	Dual audio operational amp, NJM2068M	SOIC-8	1.30	1.20
NTE918SM	High speed operational amp, LM318M, F	SOIC-8	2.80	2.58
NTE922SM	Voltage comparator, LM311D	SOIC-8	1.19	1.13
NTE927SM	Differential video amp, NE592A, D	SOIC-14	1.71	1.62
NTE928SM	Low power dual operational amp, LM358D, FP, M	SOIC-8	1.66	1.53
NTE941SM	Freq comp operational amp LM741CM	SOIC-8	1.20	1.14
NTE943SM	Low power, low offset, Dual voltage comp, LM393FP, D, M	SOIC-8	1.71	1.57
NTE948SM	Quad operational amp, LM348D, FP, M	SOIC-14	1.95	1.79
NTE955SM	Monolithic timer, LM555CM, DN1	SOIC-8	1.28	1.22
NTE975SM	General purpose operational amp LM301DN1	SOIC-8	1.81	1.67
NTE978SM	Dual timer, LM556M, DN1	SOIC-14	1.85	1.70
NTE987SM	Quad, low power operational amp, LM324D, FP, M	SOIC-14	1.38	1.27
NTE999SM	Programmable precision reference output to 36V, LM341ACM	SOIC-8	1.24	1.18
NTE1869SM	3 terminal variable voltage regulator	SOT-89	1.55	1.47

Capacitor Kits

Miniature Radial Aluminum Electrolytic Capacitor Kit

•Kit consists of 90 radial electrolytic, 30 different values, three of each type •Cabinet contains 15 compartments with dividers •Each drawer clearly labeled



•Values: 1µF/50V, 1µF/160V, 1µF/250V, 2.2µF/50V, 4.7µF/50V, 4.7µF/160V, 10µF/16V, 10µF/25V, 10µF/35V, 10µF/50V, 10µF/100V, 10µF/160V, 10µF/250V, 10µF/350V, 47µF/25V, 47µF/50V, 47µF/100V, 100µF/16V, 100µF/25V, 100µF/35V, 100µF/50V, 100µF/100V, 100µF/250V, 220µF/25V, 220µF/50V, 330µF/25V, 470µF/16V, 470µF/25V, 470µF/50V, 1000µF/16V

Order #	(kit)
102-027	\$42.99



Mylar Capacitor Assortment

Contains 200 short lead mylar capacitors. Voltages and values will vary. Voltages range from 50~630VDC. Values range from .001MFD~.47MFD.

Order #	(kit)
102-029	\$7.37



NTE Surface Mount CMOS ICs

•One piece per package

Order #	Description	Case	(1-4)	(5-9)
NTE4000T	Dual 3-input plus inverter nor gate	SOIC-14	\$0.87	\$0.80
NTE4001BT	Quad 2-input nor gate	SOIC-14	0.78	0.72
NTE4002BT	Dual, 4-input nor gate	SOIC-14	0.78	0.72
NTE4007T	Dual, complimentary pair plus inverter	SOIC-14	0.78	0.72
NTE4011BT	Quad, 2-input nand gate	SOIC-14	0.78	0.72
NTE4012BT	Dual, 4-input nand gate	SOIC-14	0.78	0.72
NTE4013BT	Dual, t-type flip-flop	SOIC-14	0.78	0.72
NTE4015BT	Dual, 4-stage static shift register with serial input/parallel output	SOIC-14	0.99	0.94
NTE4016BT	Quad, bilateral switch for transmission of multiplexing of digital signals	SOIC-14	0.85	0.78
NTE4020BT	14-stage ripple-carry binary counter/divider	SOIC-16	1.25	1.15
NTE4021BT	8-stage static shift register	SOIC-16	0.99	0.94
NTE4023BT	Triple 3-input nand gate	SOIC-14	0.78	0.72
NTE4025BT	Triple 3-input nor gate	SOIC-14	0.78	0.72
NTE4027BT	Dual J-K master slave flip-flop	SOIC-16	0.92	0.85
NTE4028BT	BCD-to-decimal decoder	SOIC-16	1.16	1.10
NTE4029BT	Pre-settable up/dpwn counter, binary or BCD decade decoder	SOIC-16	1.43	1.32
NTE4040BT	12-stage, ripple-carry, binary counter/divider	SOIC-16	0.94	0.86
NTE4042BT	Quad, clocked d-type latch	SOIC-16	1.00	0.92
NTE4043BT	Quad, 3-state, nor R/S latch	SOIC-16	1.03	0.98
NTE4044BT	Quad 3-state, nand R/S latch	SOIC-16	1.03	0.98
NTE4046BT	Phase lock loop (PLL)	SOIC-16	1.07	1.02
NTE4047BT	Low power, monostable/astable multivibrator	SOIC-14	1.00	0.92
NTE4049T	Hex buffer/converter (inverting)	SOIC-16	1.44	1.32
NTE4050BT	Hex buffer/converter (non-inverting)	SOIC-16	0.92	0.87
NTE4051BT	Single, 8-channel analog multiplexer/demultiplexer	SOIC-16	0.94	0.86
NTE4052BT	Differential, 4-channel analog multiplexer	SOIC-16	0.94	0.86
NTE4053BT	Triple, 2-channel analog multiplexer	SOIC-16	0.94	0.86
NTE4060BT	14-stage ripple-carry binary counter/divider and OSC	SOIC-16	1.40	1.29
NTE4066BT	Quad, bilateral switch	SOIC-14	0.92	0.85
NTE4068BT	8-input nand/and gate, high voltage type	SOIC-14	0.78	0.72
NTE4069T	Hex inverter, high voltage type	SOIC-14	1.20	1.14
NTE4070BT	Quad exclusive or gate	SOIC-14	0.78	0.72
NTE4071BT	Quad, 2-input or gate	SOIC-14	0.78	0.72
NTE4073BT	Triple, 3-input and gate	SOIC-14	0.78	0.72
NTE4075BT	Triple, 3-input or gate	SOIC-14	0.78	0.72
NTE4077BT	Quad, exclusive nor gate	SOIC-14	0.78	0.72
NTE4093BT	Quad, 2-input nand schmitt trigger	SOIC-14	0.85	0.78
NTE4094BT	8-stage shift and storage bus register	SOIC-16	1.83	1.68
NTE4510BT	Pre-settable up/down BCD convertor	SOIC-16	1.44	1.37
NTE4511BT	BCD-to-seven-segment latch decoder driver	SOIC-16	0.99	0.94
NTE4520BT	Dual up/down binary counter	SOIC-16	1.43	1.36
NTE4528BT	Dual, retriggerable/resettable monostable multivibrator	SOIC-16	1.40	1.33
NTE4541BT	Programmable timer	SOIC-14	1.40	1.29
NTE40106BT	Hex schmitt trigger	SOIC-14	1.05	0.97
NTE40174BT	Hex, D-type flip-flop	SOIC-16	0.87	0.83

Capacitor Kits



Surface Mount Electrolytic Capacitor Kits

•SMD type electrolytic capacitors •Packed in a compartmentalized storage case

•#102-066 contains: 6.3V (3 each): 33µF, 47µF, 100µF, 220µF and (6 each) 22µF 10V (3 each): 22µF, 33µF, 47µF, 220µF and (6 each) 100µF

•#102-067 contains: 16V (3 each): 10µF, 22µF, 33µF, 47µF, 100µF and 220µF 25V (3 each): 4.7µF, 10µF, 22µF, 33µF, 47µF and 100µF

•#102-068 contains: 35V (3 each): 2.2µF, 3.3µF, 4.7µF, 6.8µF, 10µF and 22µF 50V (3 each): .10µF, .22µF, .33µF, .47µF, .68µF, 1µF, 2.2µF, 3.3µF, 4.7µF and 10µF

Order #	(kit)
102-066	\$34.87
102-067	34.87
102-068	36.40

Electrolytic Capacitor Assortment

Contains 75 radial and axial short lead capacitors. Voltages and values will vary. Voltages range from 6.3V~50V. Values range from .1MFD~470MFD.



Order #	(kit)
102-030	\$7.37

Ceramic Disc Capacitor Assortment

200 short lead ceramic disc capacitors. Voltages and values will vary. Voltages range from 16~1000V. Values range from 1pF~.1MFD.



Order #	(kit)
102-028	\$7.48



Capacitor Kits



Ultra-Mini Electrolytic Capacitor Kits

•Ultra-mini radial electrolytic capacitors •Packed in a durable storage case •**#102-063 contains:** 6.3V (5 each): 10µF, 22µF, 33µF, 47µF, 100µF, 220µF and 330µF 10V (5 each): 22µF, 33µF, 47µF, 100µF and 220µF •**#102-064 contains:** 16V (5 each): 4.7µF, 10µF, 22µF, 33µF and 47µF 25V (5 each): 3.3µF, 4.7µF, 10µF, 22µF, 33µF and 100µF •**#102-065 contains:** 35V (5 each): 2.2µF, 3.3µF, 4.7µF, 10µF, 22µF, 33µF and 47µF 50V (5 each): .1µF, .22µF, .33µF, .47µF, 1.0µF, 2.2µF, 3.3µF, 4.7µF, 10µF, 22µF and 33µF

Order #	(kit)
102-063	\$31.71
102-064	31.71
102-065	31.71



Capacitor Kits

Order your capacitors in kits for convenience and value. **Features:**

- Each kit contains the top 30 most popular voltages and values
- Cabinets stack together to build a component storage center
- One piece frame is lightweight and virtually unbreakable
- Keyhole slots for wall mounting
- Frame measures 9" W x 7 1/2" H x 6 1/2" D
- Contains 15 drawers, each divided in half
- All values are radial lead except where noted
- An asterisk denotes axial lead



Order #	Contents	(1-4)
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High Voltage Aluminum Electrolytic		
CK-02	1 each of: 160V: 1.0, 2.2, 3.3, 4.7, 10, 22, 33, 47, 100*, 100µF; 250V: 1.0, 2.2, 3.3, 4.7, 10, 22, 33, 47µF; 350V: 1.0, 2.2, 3.3, 4.7*, 10, 33, 47, 100µF; 450V: 1.0, 4.7, 10*, 10µF	\$44.95

Non-Polarized Aluminum Electrolytic		
CK-03	2 each of: 25V: 4.7, 10µF; 50V: 1.0, 1.0*, 2.2, 2.2*, 3.3, 3.3*, 4.7, 4.7*, 10, 10*, 22, 22*, 47, 47* µF; 100V: 1.0*, 2.2, 2.2*, 3.3, 3.3*, 4.7, 4.7*, 10, 10*, 22*, 33, 33*, 47*, 100* µF	44.95

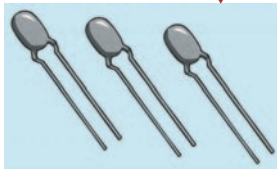
1000V Ceramic Disc		
CK-06	4 each of: 3.3, 5.0, 6.8, 10, 15, 18, 20, 22, 39, 47, 56, 68, 100, 150, 180, 220, 330, 470, 500, 560, 680, 1000, 1500, 2200, 4700, 5000, 10000, 47000, 50000, 100000pF	36.95

Mylar/Film		
CK-07	1 each of: 50V: .01, .1µF; 100V: .001, .01, .022, .033, .047, .1, .22, .47µF; 250V: .047, .1, .33, 1.0, 1.5µF; 400V: .01, .1µF; 630V: .001, .0033, .0047, .01, .015, .022, .047, .05, .068, .1, .15, .22, .47µF	47.95



Radial Dipped Tantalum Capacitors

- Sorry-no mixing of values for quantity pricing
- Sizes and color may vary by manufacturer
- Featuring quality manufacturers AVX, Kemet and Vishay



Order #	µF	(1-4)	(5-9)	(10-24)
50 Volts				
31-0600	.1	\$1.40	\$1.31	\$1.17
31-0610	.22	1.40	1.27	1.14
31-0620	.47	1.83	1.67	1.49
31-0625	.68	1.00	0.94	0.83
31-0635	1.5	2.33	2.18	1.95
31-0640	2.2	3.00	2.73	2.43
31-0645	3.3	3.67	3.33	2.97
31-0650	4.7	3.67	3.33	2.97
31-0655	6.8	5.67	5.30	4.73
35 Volts				
31-0665	15	5.67	5.56	5.39



High Temperature 105° C, Low ESR, High Frequency Radial Electrolytic Capacitor Kits

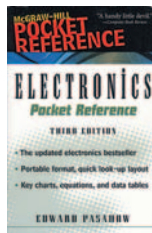
Don't miss the savings! Low ESR capacitors are now available in kits. Save a bundle when purchasing the kits versus the individual caps. Purchase the caps separately in 50V and your cost is \$76.27, but purchase the kit at \$37.50 and you'll save \$38.77! Each kit is packaged in a 15-compartment rugged case with an attached clip for convenient hanging/storage.

Order #	Voltage	Contents	(kit)
31-9590	6.3	5 each of 100, 150, 180, 220, 270 MFD 3 each of 330, 390, 470, 560, 680 MFD 2 each of 820, 1000, 1500, 2200 MFD	\$35.95
31-9595	10	5 each of 100, 150, 220, 270, 330 MFD 3 each of 390, 470, 560, 680, 820 MFD 2 each of 1000, 1500, 2200 MFD	37.95
31-9600	16	5 each of 47, 68, 100, 150, 220 MFD 3 each of 330, 470, 680, 1000 MFD 2 each of 1500, 2200 MFD	35.95
31-9605	25	5 each of 33, 47, 68, 100 MFD 3 each of 150, 220, 330 MFD 2 each of 470, 680, 820, 1000, 1500 MFD	35.95
31-9610	35	5 each of 22, 33, 47, 68 MFD 3 each of 100, 150, 220, 330, 470 MFD 1 each of 680, 820, 1000, 1500 MFD	35.95
31-9615	50	5 each of 1.0, 2.2, 3.3, 4.7, 10, 22, 33 MFD 3 each of 47, 68, 100, 150 MFD 2 each of 220, 330 MFD 1 each of 470, 1000 MFD	37.50
31-9620	63	5 each of 10, 15, 22, 33, 47 MFD 3 each of 68, 100, 150, 220, 330, 470 MFD	36.95
31-9625	100	5 each of 4.7, 1.0, 1.5, 2.2, 3.3, 4.7, 6.8, 10 MFD 3 each of 15, 22, 33, 39 MFD 2 each of 47, 100 MFD	36.95
31-9630	160	5 each of 1.0, 2.2, 3.3, 4.7, 10 MFD 3 each of 22, 33 MFD 2 each of 47, 68, 100 MFD	37.95
31-9635	200	5 each of 1.0, 2.2, 3.3, 4.7, 10 MFD 3 each of 22, 33 MFD 2 each of 47, 82 MFD	36.95
31-9640	250	5 each of 1.0, 2.2, 3.3, 4.7, 10 MFD 3 each of 15, 22, 33, 47 MFD	38.95
31-9645	350	5 each of 1.0, 2.2, 3.3, 4.7 MFD 3 each of 10, 22, 33, 47 MFD	37.95
31-9650	400/450	400V: 2 each of 1.0, 2.2, 3.3, 4.7 MFD 1 each of 10, 22 MFD 450V: 2 each of 1.0, 2.2, 3.3, 4.7 MFD 1 each of 10, 22 MFD	36.95

Electronics Pocket Reference (3rd Edition)

Filled with definitions, formulas, tables and diagrams that supply helpful solutions to electronic problems. 550 pages, soft cover.

Order #	(ea.)
81-3157	\$29.95



Semiconductors/Components



section 16



High Temperature 105° C Radial Electrolytic Capacitor Kits

Popular high-temperature capacitors are now available in kits for added convenience and savings! Purchase the caps separately in 6.3V and your cost is \$37.80, but purchase the kit at \$24.95 and you'll save \$12.85! Each kit is packaged in a 15-compartment rugged case with an attached clip for convenient hanging/storage. Capacitors are miniature, same size or smaller than 85°C radials.

Order #	Voltage	Contents	(kit)
31-9525	6.3	5 each of 47, 100, 220, 330, 470, 1000, 1500 µF 2 each of 2200, 3300, 4700 µF	\$24.95
31-9530	10	5 each of 47, 100, 220, 330, 470, 1000, 1500 µF 2 each of 2200, 3300 µF 1 each of 4700 µF	24.95
31-9535	16	5 each of 33, 47, 100, 220, 330, 470, 1000 µF 2 each of 1500, 2200 µF 1 each of 3300, 4700 µF	24.95
31-9540	25	5 each of 10, 22, 33, 47, 100, 220, 330, 470 µF 2 each of 1000, 1500 µF 1 each of 2200 µF	24.95
31-9545	35	5 each of 4.7, 10, 22, 33, 47, 100, 220, 330 µF 2 each of 470, 1000 µF 1 each of 2200 µF	24.95
31-9550	50	5 each of .1, .22, .33, .47, 1.0, 2.2, 3.3, 4.7, 10, 22, 33, 47, 100 µF 2 each of 220 µF	24.95
31-9555	63	5 each of 10, 22, 33, 47, 100, 220, 330 µF 2 each of 470, 1000 µF	24.95
31-9560	100	5 each of .1, .22, .33, .47, 1.0, 2.2, 3.3, 4.7, 10 µF 3 each of 22, 33, 47, 100 µF	24.95
31-9565	160	5 each of .47, 1.0, 2.2, 3.3, 4.7, 10 µF 3 each of 22, 33 µF 2 each of 47, 100 µF	24.95
31-9570	200	5 each of .47, 1.0, 2.2, 3.3, 4.7, 10 µF 3 each of 22, 33 µF 2 each of 47, 100 µF	24.95
31-9575	250	5 each of .47, 1.0, 2.2, 3.3, 4.7 µF 2 each of 10, 22, 33, 47, 100 µF	24.95
31-9580	350	5 each of .47, 1.0, 2.2 µF 3 each of 3.3, 4.7 µF 2 each of 10, 22, 33 µF	24.95
31-9585	450	5 each of 1.0, 2.2 µF 2 each of 3.3, 4.7 µF 1 each of 10, 22, 33 µF	24.95



NET 30 Terms

Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 355

section 16

Radial Electrolytic Capacitors



Table listing radial electrolytic capacitors with columns for Order #, μF, and voltage ratings (1-4), (5-9), (10-24) for 10V, 16V, 25V, 35V, 50V, 63V, and 100V.

Table listing radial electrolytic capacitors with columns for Order #, μF, and voltage ratings (1-4), (5-9), (10-24) for 25V, 35V, 50V, and 63V.

Table listing radial electrolytic capacitors with columns for Order #, μF, and voltage ratings (1-4), (5-9), (10-24) for 63V, 100V, 160V, and 200V.

Table listing radial electrolytic capacitors with columns for Order #, μF, and voltage ratings (1-4), (5-9), (10-24) for 200V, 250V, 350V, 450V, and 500V.

Axial Electrolytic Capacitors



Table listing axial electrolytic capacitors with columns for Order #, μF, and voltage ratings (1-4), (5-9), (10-24) for 16V, 25V, and 35V.

Table listing axial electrolytic capacitors with columns for Order #, μF, and voltage ratings (1-4), (5-9), (10-24) for 25V, 35V, 50V, and 63V.

Table listing axial electrolytic capacitors with columns for Order #, μF, and voltage ratings (1-4), (5-9), (10-24) for 50V, 100V, and 200V.

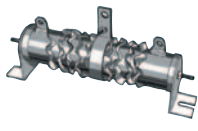
Table listing axial electrolytic capacitors with columns for Order #, μF, and voltage ratings (1-4), (5-9), (10-24) for 250V, 350V, and 450V.

These high-quality electrolytic capacitors are excellent for use in repair, experimentation and prototype development. All capacitors are supplied by quality manufacturers Nichicon, United Chemicon or Panasonic. Capacitors are rated 85°C and 20% tolerance. Sorry-no mixing of values for quantity pricing.

16

Variable Load Resistors

• Designed for testing high current power supplies, amplifiers, etc. • Wiper ring is moved across resistor body to vary resistance



Order #	ohm	Maximum Wattage	(ea.)
28-1225	0-8	90	\$16.46
28-1230	0-18	225	41.77



Microwave Oven Diode

• Popular in Amana, Litton, Tappan and many more
• Replaces HVR-1X-4 and other high-voltage diodes using 3/4" female guide connect on anode and ring terminal on cathode

Order #	(1-9)	(10-up)
75-100	\$3.18	\$2.75



Carbon Film Resistor Kit 1/4W

High-quality carbon film resistors with a connecting wire that is easily soldered. Applications: TVs, audio and video equipment, telephone receivers and communication systems, instrumentation, home appliances and more. **Specifications:** • Quantity: 610 pieces (10 pieces per value) • Series: E12 • Number of values: 61 (from 10E to 1M) • Operating temperature range: -67°F~311°F • Tolerance: 5% • Max operating voltage: 250V



Order #	(1-3 kits)	(4-kits-up)
80-6665	\$8.79	\$7.22



ELECO Carbon Film Resistor Kit 1/2W

• Contains five each of 73 standard values from 1Ω~1MΩ • 365 total pieces

Order #	(1-9 kits)	(10-24 kits)
80-6670	\$13.25	\$12.31

Trim Pot Kit

• Save 38% off list price when you purchase this kit
• Kit offers 31-1/2W trim pots available in vertical and horizontal mount **Kit contains five each of:**



100	100K	5K	1K
50K	200	250K	30K
50K	3K	500	1Mohm
100	100K	25K	1K
2.5K	300	500K	25K
50K	20K	500	1Mohm
200	250K	10K	3K
10K	300	500K	

Order #	(kit)
102-009	\$24.95



NTE Resistor Kits

• Each kit contains 30 of the most popular values • Plastic cabinet with 15, two section drawers • Cabinets stack together to build a component storage center • Easily wall mounted or stacked

1/2 Watt Metal Film

Contains six each of the following (in ohms):

10	150	680	2.2K	15K	47K
22	220	1K	3.3K	20K	100K
47	330	1.5K	4.7K	22K	220K
100	390	1.8K	6.8K	27K	330K
120	470	2K	10K	33K	1M

Order #	(1-5 kits)	(6-9 kits)	(10 kits-up)
RK-01	\$35.95	\$34.95	\$32.95

1/2 Watt Metal Film

Contains four each of the following (in ohms):

1.0	56	220	680	2.2K	10K
10	75	330	1K	2.7K	22K
15	100	390	1.2K	3.3K	33K
22	120	470	1.5K	4.7K	47K
47	150	560	2K	8.2K	100K

Order #	(1-5 kits)	(6-9 kits)	(10 kits-up)
RK-02	\$29.95	\$28.95	\$26.95

1/2 Watt Metal Film

Contains six each of the following (in ohms):

1.0	33	220	1K	3.9K	47K
1.5	47	330	1.5K	4.7K	100K
2.2	100	470	1.8K	10K	220K
10	120	560	2.2K	15K	470K
22	150	680	3.3K	22K	1M

Order #	(1-5 kits)	(6-9 kits)	(10 kits-up)
RK-03	\$44.95	\$42.95	\$39.95

1 Watt Metal Oxide

Contains four each of the following (in ohms):

.22	2.2	33	150	1K	10K
.47	4.7	47	220	1.5K	47K
1.0	10	68	330	2K	100K
1.5	22	100	470	2.2K	220K
2.0	24	120	510	4.7K	1M

Order #	(1-5 kits)	(6-9 kits)	(10 kits-up)
RK-04	\$44.95	\$42.95	\$39.95

Linear Slide Potentiometers

ALPS standard slide potentiometers. Low profile PCB mounting slide potentiometers. Ideal for volume, tone or balance controls in audio equipment and graphic equalizers. **Specifications:** Resistance tolerance $\pm 20\%$, rated voltage 150, rated power: 45mm is 0.125W, and 60mm is 0.1W.



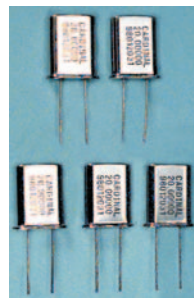
Order #	Description	(ea.)
RE00423	50K 45mm travel	\$2.60

Pocket Reference (2nd Edition)

Loaded with constants and formulas pertaining to: Math, plumbing, automobiles, carpentry, glues, solvents, chemistry, physics, computers, electronics, and much more. 480 pages, soft cover.



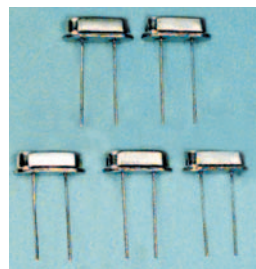
Order #	(ea.)
81-1695	\$9.95



CARDINAL COMPONENTS Crystals

• Full-size • Resistance weld
• ± 50 ppm from -10°~70°C
• Package style: HC49/U

Order #	ESR (Ohms)		Circuit	Frequency Calibration		
	Max	(MHz)		Condition (1-9)	(10-49)	(50-up)
31-4000	100	4.000	Series	\$1.35	\$1.14	\$1.04
31-4010	100	4.194304	12pf	1.35	1.14	1.04
31-4025	100	5.000	30pf	1.35	1.14	1.04
31-4035	50	6.000	20pf	1.35	1.14	1.04
31-4050	45	8.000	18pf	1.35	1.14	1.04
31-4080	30	10.000	20pf	1.35	1.14	1.04
31-4095	30	12.000	Series	1.35	1.14	1.04
31-4110	25	14.31818	Series	1.35	1.14	1.04
31-4140	25	20.000	20pf	1.46	1.25	1.14



CARDINAL COMPONENTS Low Profile Crystals

• Resistance weld
• ± 50 ppm from -10°~70°C • Package style: HC49/S

Order #	ESR (Ohms)		Circuit	Frequency Calibration		
	Max	(MHz)		Condition (1-9)	(10-49)	(50-up)
31-4155	150	4.000000	20pf	\$1.77	\$1.46	\$1.35
31-4185	35	11.509200	16pf	1.67	1.50	1.39



ELECO Diode/Transistor Tester Kit

Build your own diode/transistor tester. This dynamic tester allows checking of transistors and diodes in circuit. You can identify NPN or PNP transistors. Also checks all types, small or large power and identifies anode or cathode of diodes.

Order #	(kit)
80-1170	\$27.50



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Order #	(ea.)
81-3251	\$19.95

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