Radial electrolytic capacitors

Nover

A range of miniature radial aluminium electrolytic capacitors for mounting directly to PCBs. All types are fully sleeved. Ripple current is quoted at 100Hz 85 deg C. Nover RE series

Technical specification

100v 1uf

100v 2.2uf

15

25

А

А

500-267

500-268

£0.03

£0.03

16

reclinical specification											,	0						
Tolerance 20%						"		Tempe	erature range	e -40 f	-40 to +85 deg C							
	Tempe	erature	range	e -40	to +85 deg	g C						Leaka	ge current	0.01	CV or 3uA	whichever is g	greater	
	Leakag	ge curr	ent	0.0	1CV or 3u	A which	ever is	s great	er afte	r 2 min			Value		Order	Price per pa	ck 10	
	Case c	code	L	D	Р	case co	ode	L	D	Р			Uf		code	1-4	5-9	10+
	А		11.0	5.0	2.0	F		16.0	10.0	5.0		16V	10uf		500-520	£0.40	£0.37	£0.33
	В		11.0	6.3	2.5	G		20.0	10.0	5.0		16V	22uf		500-521	£0.40	£0.37	£0.33
	С		11.0	8.0	3.5	Н		21.0	12.5	5.0		16V	47uf		500-522	£0.45	£0.40	£0.36
	D		12.0	6.3	2.5	I		25.0	12.5	5.0		16V	100uf		500-523	£0.55	£0.50	£0.45
	Е		12.5	10.0	5.0	J		25.0	16.0	7.5		16V	220uf		500-524	£0.77	£0.72	£0.65
		Value		Case	Ripple	Orde	r	Pric	ce each	ı		16V	470uf		500-525	£1.50	£1.35	£1.20
		Uf		code	Ма	code		1-9	9	100-999	1000+	35V	4.7uf		500-526	£0.40	£0.37	£0.33
	16V	10uf		А	40	500-2	239	£0.	03	£0.015	£0.013	35V	10uf		500-527	£0.47	£0.44	£0.39
	16V	22uf		А	55	500-2	240	£0.	03	£0.015	£0.013	35V	22uf		500-528	£0.62	£0.56	£0.50
	16V	47uf		А	80	500-2	241	£0.	03	£0.015	£0.013	50V	1uf		500-529	£0.40	£0.37	£0.33
	16V	100u	f	В	140	500-2	242	£0.	04	£0.16	£0.015	50V	2.2uf		500-530	£0.40	£0.37	£0.33
	16V	220u	f	С	220	500-2	243	£0.	05	£0.023	£0.022	50V	4.7uf		500-531	£0.40	£0.37	£0.33
	16V	470u	f	Е	400	500-2	244	£0.	07	£0.03	£0.029	50V	10uf		500-532	£0.50	£0.45	£0.40
	16V	1000	uf	G	720	500-2	245	£0.	10	£0.052	£0.049	50V	47uf		500-533	£0.76	£0.69	£0.62
	16V	2200	uf	I	1200	500-2	270	£0.	18	£0.12	£0.11	50V	100uf		500-534	£1.49	£1.35	£1.20
	25V	10uf		А	45	500-2	246	£0.	03	£0.012	£0.011							
	25V	22uf		А	60	500-2	247	£0.	03	£0.012	£0.011		Value	Reel	Order	Price per ree	el	
	25V	47uf		А	90	500-	248	£0.	04	£0.017	£0.015		Uf	Size	code	1-2	3+	
	25V	100u	f	В	150	500-	249	£0.	05	£0.022	£0.020	16V	10uf	2K	500-535	£48.00	£43.50	
	25V	220u	f	Е	260	500-	250	£0.	07	£0.032	£0.031	16V	22uf	1K	500-536	£25.00	£22.50	
	25V	470u	f	F	500	500-2	251	£0.	09	£0.053	£0.52	16V	47uf	1K	500-537	£27.50	£24.50	
	25V	1000	uf	н	910	500-2	252	£0.	14	£0.083	£0.082	16V	100uf	1K	500-538	£35.00	£29.90	
	25V	2200	uf	J	1400	500-2	253	£0.3	29	£0.16	£0.14	16V	220uf	1K	500-539	£55.00	£49.00	
	50V	1000	uf	I	1280	500-2	269	£0.3	34	£0.26	£0.20	16V	470uf	1K	500-540	£102.00	£93.00	
	63V	1uf		А	15	500-2	257	£0.	03	£0.012	£0.011	35V	4.7uf	2K	500-541	£41.00	£37.00	
	63V	2.2uf		А	20	500-2	258	£0.	04	£0.015	£0.013	35V	10uf	1K	500-542	£26.00	£23.50	
	63V	4.7uf		А	35	500-2	259	£0.	04	£0.015	£0.013	35V	22uf	1K	500-543	£34.00	£29.90	
	63V	10uf		А	50	500-2	260	£0.	04	£0.015	£0.013	50V	1uf	2K	500-544	£47.50	£43.00	
	63V	22uf		В	85	500-	261	£0.	05	£0.025	£0.019	50V	2.2uf	2K	500-545	£47.50	£43.00	
	63V	47uf		С	150	500-3	262	£0.	07	£0.036	£0.029	50V	4.7uf	1K	500-546	£24.50	£21.50	
	63V	100u	f	Е	260	500-2	263	£0.	10	£0.052	£0.051	50V	10uf	1K	500-547	£29.00	£25.00	
	63V	220u	f	G	460	500-2	264	£0.	15	£0.08	£0.078	50V	47uf	1K	500-548	£47.50	£44.00	
	63v	470ι	uf	I	850	500-2	265	£0.2	27	£0.17	£0.15	50V	100uf	500	500-549	£49.00	£43.50	
							~~-	~~	~~	00.040	00.040							

SMD electrolytic capacitors

A range of surface mount aluminium electrolytic capacitors for use on high density circuit boards. RoHS compliant

20% at 120Hz; 20 deg C

Technical specification

Tolerance



ELECTRON ELECTRONICSTELEPHONE 01737 841568FAX 01737 841608MOBILE 07860 632 869EMAIL sales@electronelec.co.ukWEB www.electronelec.co.uk

£0.013

£0.013

£0.016

£0.016

Ultra miniature electrolytic capacitors

Nover

A range of 5mm ultra miniature capacitors for applications requiring low profile components.



Technical specification

Tolerance		209	20% @ 120Hz, 85 deg C					
Temperature	e range	-40	-40 to +85 deg C					
Leakage cur	rent	0.0	1CV or 3uA whichever is greater after 2 min					
Case code	L	D	Р					
А	5.0	4.0	1.5					
В	5.0	5.0	2.0					
С	11.0	6.3	2.5					

Value		Case	Ripple	Ripple Order		Price each			
	Uf	code	Ма	code	1-99	100-999	1000+		
16V	10uf	А	18	500-310	£0.03	£0.015	£0.013		
16V	47uf	С	65	500-311	£0.04	£0.018	£0.016		
50V	1uf	А	6	500-312	£0.03	£0.015	£0.013		
50V	2.2uf	А	7	500-313	£0.03	£0.015	£0.013		
50V	4.7uf	В	20	500-314	£0.03	£0.015	£0.013		

Low profile snap-in electrolytic capacitor

Samwha

Manufacturer

HC1V109M30030HA

HC1J478M30030HA

HC1J109M35040HA

code

A range of PCB mounting snap-in capacitors with a 10mm pitch. Terminal length 6mm. Load life 2000hr. Samwha HC series

Technical specification

Tolera	nce		20%				
Tempe	erature range	Э	-40 to +85 deg C				
Leaka	ge current		3CV after 5 min				
	Value Ca		se	Case	Ripple		
	Uf	dia	e	height	A (max)		
35V	10000uf	30		30	4.58		
63V	4700uf	30		30	4.1		
63V	63V 10000uf			40	6.25		

Value		Case	Ripple Order		Price each				
	Uf	code	Ма	code	1-24	25-99	100+		
35V	10000uf	А	18	500-365	£0.95	£0.85	£0.75		
63V	4700uf	С	65	500-366	£0.95	£0.85	£0.75		
63V	10000uf	А	6	500-367	£1.99	£1.79	£1.59		

		-		
		Voltage	500V (25V 100r	nf only)
		Tolerance	10% (20% 100r	f only)
		Lead pitch	2.5mm	
		Туре	Order	Price
			code	1-99
		10pf ceramic disc	500-203	£0.03
		12pf ceramic disc	500-212	£0.03
		15pf ceramic disc	500-204	£0.03
		18pf ceramic disc	500-213	£0.03
		22pf ceramic disc	500-205	£0.03
		27pf ceramic disc	500-214	£0.03
99	1000+	33pf ceramic disc	500-206	£0.03
5	£0.013	39pf ceramic disc	500-215	£0.03
8	£0.016	47pf ceramic disc	500-207	£0.03
5	£0.013	56pf ceramic disc	500-216	£0.03
5	£0.013	68pf ceramic disc	500-217	£0.03
5	£0.013	82pf ceramic disc	500-218	£0.03

Ceramic disc capacitors

Technical specification

1000 +100-999 £0.009 £0.008 £0.009 £0.008 £0.009 £0.008 £0.009 £0.008 £0.009 £0.008 £0.009 £0.008 £0.009 £0.008 £0.009 £0.008 £0.009 £0.008 £0.009 £0.008 £0.009 £0.008 £0.009 £0.008 500-208 £0.03 £0.009 £0.008 100pf ceramic disc £0.03 £0.008 120pf ceramic disc 500-219 £0.009 150pf ceramic disc 500-220 £0.03 £0.009 £0.008 500-221 £0.03 £0.009 £0.008 180pf ceramic disc 500-222 £0.03 £0.009 £0.008 220pf ceramic disc 270pf ceramic disc 500-223 £0.03 £0.009 £0.008 330pf ceramic disc 500-224 £0.03 £0 009 £0.008 390pf ceramic disc 500-225 £0.03 £0.009 £0.008 500-226 £0.03 £0.009 £0.008 470pf ceramic disc 500-227 £0.03 £0.009 £0.008 560pf ceramic disc 680pf ceramic disc 500-228 £0.03 £0.009 £0.008 820pf ceramic disc 500-229 £0.03 £0.009 £0.008 500-209 £0.03 £0.009 £0.008 1nf ceramic disc 1.2nf ceramic disc 500-230 £0.03 £0.009 £0.008 £0.03 £0.008 1.5nf ceramic disc 500-231 £0.009 1.8nf ceramic disc 500-232 £0.03 £0.009 £0.008 2.2nf ceramic disc 500-233 £0.03 £0.009 £0.008 2.7nf ceramic disc 500-234 £0.03 £0.009 £0.008 £0.03 £0.009 £0.008 3.3nf ceramic disc 500-235 3.9nf ceramic disc 500-236 £0.03 £0.009 £0.008 4.7nf ceramic disc 500-237 £0.03 £0.009 £0.008 6.8nf ceramic disc 500-238 £0.03 £0.009 £0.008 10nf ceramic disc 500-211 £0.03 £0.009 £0.008 £0.003 £0.009 £0.008 22nf ceramic disc 500-210 100nf ceramic disc 500-202 £0.003 £0.009 £0.008

ELECTRON ELECTRONICS TELEPHONE 01737 841568

Order

code

500-365

500-366

500-367

FAX 01737 841608

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WEB www.electronelec.co.uk

each

0603 Multilayer ceramic chip capacitors



0805 Multilayer ceramic chip capacitors



A range of surface mount multilayer ceramic chip capacitors in industry standard 0603 style package. Nickel barrier terminations. Supplied in packs of 100 or full reels of 4000 pieces. RoHS compliant

A range of surface mount multilayer ceramic chip capacitors in industry standard 0805 style package. Nickel barrier terminations. Supplied in packs of 100 or full reels of 4000 pieces. RoHS compliant

Туре	Order	Price per pa	ack 100				
	code	1-9	10+	Туре	Order	Price per pa	ack 100
NPO 5%					code	1-9	10+
10pf 50V	500-560	£0.59	£0.42	NPO 5%			
22pf 50V	500-561	£0.59	£0.42	10pf 50V	500-600	£0.85	£0.67
33pf 50V	500-562	£0.59	£0.42	22pf 50V	500-601	£0.85	£0.67
47pf 50V	500-563	£0.59	£0.42	33pf 50V	500-602	£0.85	£0.67
68pf 50V	500-564	£0.59	£0.42	47pf 50V	500-603	£0.85	£0.67
100pf 50V	500-565	£0.59	£0.42	68pf 50V	500-604	£0.85	£0.67
150pf 50V	500-566	£0.59	£0.42	100pf 50V	500-605	£0.85	£0.67
220pf 50V	500-567	£0.59	£0.42	150pf 50V	500-606	£0.90	£0.70
X7R 10%				220pf 50V	500-607	£0.90	£0.72
1nF 50V	500-568	£0.59	£0.42	X7R 10%			
1n5 50V	500-569	£0.59	£0.42	1nF 50V	500-608	£0.90	£0.70
2n2 50V	500-570	£0.59	£0.42	2n2 50V	500-609	£0.90	£0.70
3n3 50V	500-571	£0.59	£0.42	3n3 50V	500-610	£0.90	£0.70
4n7 50V	500-572	£0.59	£0.42	4n7 50V	500-611	£0.90	£0.70
6n8 50V	500-573	£0.59	£0.42	6n8 50V	500-612	£0.90	£0.70
10nF 50V	500-574	£0.59	£0.42	10nF 50V	500-613	£0.90	£0.70
Туре	Order	Price per re	el of 4000	Туре	Order	Price per re	el of 4000
Туре	Order code	Price per re 1-4	eel of 4000 5+	Туре	Order code	Price per re 1-4	eel of 4000 5+
Туре NPO 5%		-		Туре NPO 5%			
		-					
NPO 5%	code	1-4	5+	NPO 5%	code	1-4	5+
NPO 5% 10pf 50V	code 500-575	1-4 £9.45	5+ £8.75	NPO 5% 10pf 50V	code 500-614	1-4 £12.50	5+ £11.50
NPO 5% 10pf 50V 22pf 50V	code 500-575 500-576	1-4 £9.45 £9.45	5+ £8.75 £8.75	NPO 5% 10pf 50V 22pf 50V	code 500-614 500-615	1-4 £12.50 £12.50	5+ £11.50 £11.50
NPO 5% 10pf 50V 22pf 50V 33pf 50V	code 500-575 500-576 500-577	1-4 £9.45 £9.45 £9.45	5+ £8.75 £8.75 £8.75	NPO 5% 10pf 50V 22pf 50V 33pf 50V	code 500-614 500-615 500-616	1-4 £12.50 £12.50 £12.50	5+ £11.50 £11.50 £11.50
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NPO 5% 10pf 50V 22pf 50V 33pf 50V 47pf 50V 68pf 50V	code 500-575 500-576 500-577 500-578 500-579	1-4 £9.45 £9.45 £9.45 £9.45 £9.45	5+ £8.75 £8.75 £8.75 £8.75 £8.75	NPO 5% 10pf 50V 22pf 50V 33pf 50V 47pf 50V 68pf 50V	code 500-614 500-615 500-616 500-617 500-618	1-4 £12.50 £12.50 £12.50 £12.50 £12.50	5+ £11.50 £11.50 £11.50 £11.50 £11.50
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NPO 5% 10pf 50V 22pf 50V 33pf 50V 47pf 50V 68pf 50V 100pf 50V	code 500-575 500-576 500-577 500-578 500-579 500-580 500-581	1-4 £9.45 £9.45 £9.45 £9.45 £9.45 £9.45 £9.45 £9.45 £14.25	5+ £8.75 £8.75 £8.75 £8.75 £8.75 £8.75 £8.75 £12.50	NPO 5% 10pf 50V 22pf 50V 33pf 50V 47pf 50V 68pf 50V 100pf 50V	code 500-614 500-615 500-616 500-617 500-618 500-619 500-620	1-4 £12.50 £12.50 £12.50 £12.50 £12.50 £12.50 £16.90	5+ £11.50 £11.50 £11.50 £11.50 £11.50 £11.50 £15.90
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NPO 5% 10pf 50V 22pf 50V 33pf 50V 47pf 50V 68pf 50V 100pf 50V 150pf 50V 220pf 50V 220pf 50V X7R 10% 1nF 50V 1n5 50V	code 500-575 500-577 500-578 500-579 500-580 500-581 500-582 500-583 500-583	1-4 £9.45 £9.45 £9.45 £9.45 £9.45 £14.25 £16.50 £9.45 £9.45	5+ £8.75 £8.75 £8.75 £8.75 £8.75 £12.50 £14.90 £8.75 £8.75 £8.75	NPO 5% 10pf 50V 22pf 50V 33pf 50V 47pf 50V 68pf 50V 100pf 50V 150pf 50V 220pf 50V X7R 10% 1nF 50V 2n2 50V	code 500-614 500-615 500-616 500-617 500-619 500-620 500-621 500-622 500-623	1-4 £12.50 £12.50 £12.50 £12.50 £12.50 £16.90 £16.90 £12.50 £12.50	5+ £11.50 £11.50 £11.50 £11.50 £11.50 £15.90 £15.90 £11.25 £11.50
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Metalised polyester capacitors

Metallised PEPT film capacitors protected by a hard, epoxy casing making them flame retardant. Supplied with d lo ada i

		crimped and croped leads for mounting on pcb's.								2	5
	Technic	al specific	cation								1116
	Operatir	ng temp	-	40 t	o +85 c	leg (С				
	Tolerance			10%							
	Power fa	actor	C	0.01							
	Body co	lour	(Dran	ge						
	uf	nf	Н	,	W	D		Lead di	a I	ead pi	tch
	0.01	10	12		12.5	4		0.6	1	10.2	
	0.015	15	12		12.5	4		0.6		10.2	
	0.022	22	12		12.5	4		0.6		10.2	
	0.033	33	12		12.5	4		0.6		10.2	
	0.047	47	12		12.5	4		0.6		10.2	
	0.068	68	12.5		12.5	4.	5	0.6	1	10.2	
	0.1	100	13		12.5	5		0.6		10.2	
	0.15	150	14		17.5	5		0.8	1	15.2	
	0.22	220	15		17.5	6		0.8	1	15.2	
	0.33	330	16		17.5	7		0.8	1	15.2	
	0.47	470	17.5	:	26	5.	5	0.8	2	22.9	
	Value				Order		Price	e each			
					code		1-99		100-	-999	10
	0.01uf	400v poly	/ester		500-32	21	£0.0	9	£0.0	8	£0
	0.015u	f 400v po	lyester	-	500-32	22	£0.0	9	£0.0	8	£0
0.022uf 400v polyest			lyester	-	500-32	23	£0.0	9	£0.0	8	£0

500-324

500-325

500-326

500-320

500-327

500-328

500-329

500-330

£0.09

£0.10

£0.10

£0.13

£0.16

£0.16

£0.20

£0.20

0.033uf 250v polyester

0.047uf 250v polyester

0.068uf 250v polyester

0.1uf 250v polyester

0.15uf 250v polyester

0.22uf 250v polyester

0.33uf 250v polyester

0.47uf 250v polyester

Vishay



1000+

£0.07

£0.07 £0.07

£0.07

£0.07

£0.07

£0.095

£0.14

£0.14

£0.14

£0.14

£0.08

£0.08

£0.08

£0.105

£0.15

£0.15

£0.17

£0.17

Miniature polyester capacitors

A range of miniature metallised polyester capacitors in a 5mm pitch incapsulated in a plastic UL94V-0 rated case sealed with Epoxy resin.



Technical specification

Operating temp	-55 to +100 deg C
Tolerance	10%

Value	н	D	Order	Price each		
			code	1-99	100-999	1000+
1nF	6.5	2.5	500-355	£0.04	£0.022	£0.019
2n2	6.5	2.5	500-356	£0.04	£0.022	£0.019
4n7	6.5	2.5	500-357	£0.04	£0.022	£0.019
10nF	6.5	2.5	500-358	£0.04	£0.022	£0.019
22nF	6.5	2.5	500-359	£0.04	£0.022	£0.019
47nF	6.5	2.5	500-360	£0.04	£0.022	£0.019
100nF	6.5	2.5	500-361	£0.04	£0.022	£0.019

Super capacitors

Panasonic

A radial high capacitance double layer electrolytic capacitor suitable for memory backup

Technical specification

Operating temp	-20 to +40 deg C	
Tolerance	-20% to +40%	
Pitch	5mm	
Value	Order	I
	code	
10F 2.5V	500-503	ł



Order	Price each				
code	1-24	25-99	100+		
500-503	£2.25	£2.05	£1.85		



A range of Tantalum bead capacitors suitable for coupling, decoupling and timing circuits. Kingtronics TKT range.

Technical specification

Operating temp	-55 to +125 deg C
Tolerance	20%
Leakage current	<0.01CV or 5uA whichever is greater

Value Order Price each

	code	1-99	100-999	1000+
1uF 35V Tantalum 5.0mm	500-331	£0.07	£0.045	£0.038
10uF 16V Tantalum 5.0mm	500-332	£0.09	£0.06	£0.052
22uF 16V Tantalum 5.0mm	500-333	£0.15	£0.11	£0.09

NPO -55 to +125 deg C Y5V -25 to +85 deg C

NPO 5%. Y5V -20 to +80

Order

code

Price each

1-99

500-700 £0.07

500-701 £0.05

500-702 £0.07

2.5mm

Multilayer Ceramic

Kingtronics new

1000+

£0.038

£0.021

£0.033

100-999

£0.045

£0.035

£0.045

APACIT

Kingtronics

Radial multilayer ceramic capacitors

Technical specification

150PF multilayer ceramic 2.5mm

47NF Y5V multilayer cer 2.5mm

220NF Y5V Multilayer cer 2.5mm

Operating temp

Tolerance

Pitch

Value



Polypropylene film trimmers

Minature single turn trimmers with a polypropylene dielectric. 808 series. RoHS compliant



Technical specification

Voltage ratting	250v		
Q min @1MHz	100		
Operating temp	-40 to + 70 deg C		
Туре	Order	Price each	
	code	1-99	100+
2-22pf green	500-201	£0.43	£0.40
5.5-65pf yellow	500-200	£0.62	£0.55

Miniature ceramic trimmers

Technical specification

Murata

Minature single turn ceramic trimmer with connections on a 5mm pitch for direct mounting onto PCBs. Trimmer fits flush to the PCB with a height of 5mm.Body dia 6mm



Voltage ratting	50v			
Q min @1MHz	300			
Temp coefficient	300ppm deg C			
Туре	Order	Price each		
	code	1-99	100-499	500+
6-50pf orange	500-400	£0.39	£0.33	£0.31

Miniature tuning capacitor

A minature tuning capacitor suitable for MK484 circuits and crystal sets. It comprises AM sections of 126pF with trimmers and FM sections of 20pF with trimmers.Control shaft is 6mm diameter flatted with an M2.5 thread.Rotation 180 deg.Max voltage 100V Dimensions 20 x 20 x 12.5mm



Туре	Order	Price each	
	code	1-24	25+
Miniature tuning cap	500-410	£0.70	£0.52

