

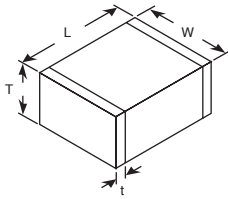
AVX Tin/Lead Chip Capacitors



NEW FROM AVX

MLCC TIN/LEAD TERMINATION "B"

AVX Corporation will support those customers for commercial and military Multilayer Ceramic Capacitors with a termination consisting of 5% minimum lead. This termination is indicated by the use of a "B" in the 12th position of the AVX Catalog Part Number. This fulfills AVX's commitment to providing a full range of products to our customers.



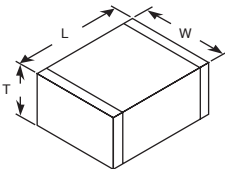
Size	LD03	LD05	LD06
Soldering	Reflow Only	Reflow/Wave	Reflow/Wave
Packaging	All Paper	Paper/Embossed	Paper/Embossed
(L) Length	1.60 ± 0.15 (0.063 ± 0.006)	2.01 ± 0.20 (0.079 ± 0.008)	3.20 ± 0.20 (0.126 ± 0.008)
(W) Width	0.81 ± 0.15 (0.032 ± 0.006)	1.25 ± 0.20 (0.049 ± 0.008)	1.60 ± 0.20 (0.063 ± 0.008)
(t) Terminal	0.35 ± 0.15 (0.014 ± 0.006)	0.50 ± 0.25 (0.020 ± 0.010)	0.50 ± 0.25 (0.020 ± 0.010)

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Dielectric	Value (pF)	Voltage	Tol. (%)	Thickness Max. (T)	Price Each					Reel Qty	Price Each
							1	100	500	1000	2000		
0603													
581-LD035A150JAB2A	LD035A150JAB2A	C0G	15	50	5%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD035A220JAB2A	LD035A220JAB2A	C0G	22	50	5%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD035A101JAB2A	LD035A101JAB2A	C0G	100	50	5%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD031A101JAB2A	LD031A101JAB2A	C0G	100	100	5%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD035A221JAB2A	LD035A221JAB2A	C0G	220	50	5%	0.86 (0.034)	.55	.46	.36	.32	.27	4000	.23
581-LD035A331JAB2A	LD035A331JAB2A	C0G	330	50	5%	0.86 (0.034)	.58	.49	.39	.34	.29	4000	.24
581-LD035A471JAB2A	LD035A471JAB2A	C0G	470	50	5%	0.86 (0.034)	.59	.49	.39	.34	.29	4000	.25
581-LD035C102KAB2A	LD035C102KAB2A	X7R	1000	50	10%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD035C222KAB2A	LD035C222KAB2A	X7R	2200	50	10%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD03YC103KAB2A	LD03YC103KAB2A	X7R	0.01µF	16	10%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD035C103KAB2A	LD035C103KAB2A	X7R	0.01µF	50	10%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD031C103KAB2A	LD031C103KAB2A	X7R	0.01µF	100	10%	0.86 (0.034)	.67	.56	.44	.39	.33	4000	.28
581-LD03YC104KAB2A	LD03YC104KAB2A	X7R	0.1µF	16	10%	0.86 (0.034)	.70	.58	.46	.41	.35	4000	.29
581-LD035C104KAB2A	LD035C104KAB2A	X7R	0.1µF	50	10%	0.86 (0.034)	10.50	9.63	8.75	7.00	6.30	4000	5.95
0805													
581-LD055A100KAB2A	LD055A100KAB2A	C0G	10	50	10%	0.71 (0.028)	.53	.45	.36	.31	.27	4000	.22
581-LD051A220KAB2A	LD051A220KAB2A	C0G	22	100	10%	0.71 (0.028)	.53	.45	.36	.31	.27	4000	.22
581-LD051A470KAB2A	LD051A470KAB2A	C0G	47	100	10%	0.71 (0.028)	.53	.45	.36	.31	.27	4000	.22
581-LD051A101JAB2A	LD051A101JAB2A	C0G	100	100	5%	0.71 (0.028)	.55	.46	.36	.32	.27	4000	.23
581-LD051A101KAB2A	LD051A101KAB2A	C0G	100	100	10%	0.71 (0.028)	.53	.45	.36	.31	.27	4000	.22
581-LD055A331JAB2A	LD055A331JAB2A	C0G	330	50	5%	0.71 (0.028)	.58	.48	.38	.34	.29	4000	.24
581-LD051A471JAB2A	LD051A471JAB2A	C0G	470	100	5%	0.94 (0.037)	.58	.48	.38	.34	.29	4000	.24
581-LD051A102JAB2A	LD051A102JAB2A	C0G	1000	100	5%	0.94 (0.037)	.61	.51	.40	.35	.30	4000	.25
581-LD051A102KAB2A	LD051A102KAB2A	C0G	1000	100	10%	0.94 (0.037)	.58	.49	.39	.34	.29	4000	.24
581-LD055C102KAB2A	LD055C102KAB2A	X7R	1000	50	10%	0.94 (0.037)	.55	.46	.36	.32	.27	4000	.23
581-LD051C102KAB2A	LD051C102KAB2A	X7R	1000	100	10%	0.94 (0.037)	.55	.46	.36	.32	.27	4000	.23
581-LD055C472KAB2A	LD055C472KAB2A	X7R	4700	50	10%	1.40 (0.055)	.55	.46	.36	.32	.27	4000	.23
581-LD055C103KAB2A	LD055C103KAB2A	X7R	0.01µF	50	10%	0.94 (0.037)	.55	.46	.36	.32	.27	4000	.23
581-LD051C103KAB2A	LD051C103KAB2A	X7R	0.033µF	100	10%	0.94 (0.037)	.55	.46	.36	.32	.27	4000	.23
581-LD055C333KAB2A	LD055C333KAB2A	X7R	0.047µF	50	10%	1.27 (0.050)	.56	.47	.38	.33	.28	4000	.24
581-LD055C473KAB2A	LD055C473KAB2A	X7R	0.047µF	50	10%	1.27 (0.050)	.56	.47	.38	.33	.28	4000	.24
581-LD051C473KAB2A	LD051C473KAB2A	X7R	0.047µF	100	10%	1.27 (0.050)	.62	.52	.41	.36	.31	2000	.31
581-LD055C683KAB2A	LD055C683KAB2A	X7R	0.063µF	50	10%	1.27 (0.050)	.56	.47	.38	.33	.28	4000	.24
581-LD053C104KAB2A	LD053C104KAB2A	X7R	0.1µF	25	10%	0.94 (0.037)	.56	.47	.38	.33	.28	4000	.24
581-LD053C224KAB2A	LD053C224KAB2A	X7R	0.22µF	25	10%	1.27 (0.050)	.61	.51	.41	.36	.31	2000	.31
1206													
581-LD065C103KAB2A	LD065C103KAB2A	X7R	0.01µF	50	10%	0.94 (0.037)	.59	.49	.39	.34	.29	4000	.24
581-LD065C104KAB2A	LD065C104KAB2A	X7R	0.1µF	50	10%	0.94 (0.037)	.62	.52	.41	.36	.31	4000	.26
581-LD061C104KAB2A	LD061C104KAB2A	X7R	0.1µF	100	10%	1.27 (0.050)	.63	.53	.42	.37	.32	2000	.32
581-LD065C224KAB2A	LD065C224KAB2A	X7R	0.22µF	50	10%	0.94 (0.037)	.75	.62	.50	.44	.37	4000	.31
581-LD065C334KAB2A	LD065C334KAB2A	X7R	0.33µF	50	10%	1.27 (0.050)	.77	.65	.52	.45	.39	2000	.39
581-LD065C474KAB2A	LD065C474KAB2A	X7R	0.47µF	50	10%	1.27 (0.050)	.77	.65	.52	.45	.39	2000	.39
581-LD063C105KAB2A	LD063C105KAB2A	X7R	1.0µF	25	10%	1.78 (0.07)	14.00	12.25	10.50	8.75	7.00	2000	7.00

HIGH VOLTAGE MLC CHIPS TIN/LEAD TERMINATION "B"

Larger physical sizes than normally encountered chips are used to make high voltage MLC chip product. Special precautions must be taken in applying these chips in surface mount assemblies. The temperature gradient during heating or cooling cycles should not exceed 4°C per second. The preheat temperature must be within 50°C of the peak temperature reached by the ceramic bodies through the soldering process. Chip sizes 1808 and larger should be reflow soldered only. Capacitors may require protective surface coating to prevent external arcing.



Size	LD06	LD08	LD12	LD13
(L) Length	3.20 ± 0.2 (0.126 ± 0.008)	4.57 ± 0.25 (0.180 ± 0.010)	4.50 ± 0.3 (0.177 ± 0.012)	4.50 ± 0.3 (0.177 ± 0.012)
(W) Width	1.60 ± 0.2 (0.063 ± 0.008)	2.03 ± 0.25 (0.080 ± 0.010)	3.20 ± 0.2 (0.126 ± 0.008)	6.40 ± 0.3 (0.252 ± 0.012)

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Dielectric	Value (pF)	Voltage	Tol. (%)	Thickness Max. (T)	Price Each				Reel Qty	Price Each
							1	100	500	1000		
1206												
581-LD06GA220KAB1A	LD06GA220KAB1A	C0G	22	2000	10%	1.52 (0.060)	.90	.75	.60	.53	2000	.45
581-LD06GC101KAB1A	LD06GC101KAB1A	X7R	100	2000	10%	1.52 (0.060)	.90	.75	.60	.53	2000	.45
581-LD06GC102KAB1A	LD06GC102KAB1A	X7R	1000	2000	10%	1.52 (0.060)	.90	.75	.60	.53	2000	.45
581-LD06AC472KAB1A	LD06AC472KAB1A	X7R	4700	1000	10%	1.52 (0.060)	.90	.75	.60	.53	2000	.45
581-LD06CC103KAB1A	LD06CC103KAB1A	X7R	0.01µF	600	10%	1.52 (0.060)	.90	.75	.60	.53	2000	.45
1808												
581-LD08HC471KAB1A	LD08HC471KAB1A	X7R	470	3000	10%	2.03 (0.080)	1.80	1.50	1.20	1.05	2000	.90
581-LD08AC103KAB1A	LD08AC103KAB1A	X7R	0.01µF	1000	10%	2.03 (0.080)	1.80	1.50	1.20	1.05	2000	.90
581-LD08AC153KAB1A	LD08AC153KAB1A	X7R	0.015µF	1000	10%	2.03 (0.080)	1.80	1.50	1.20	1.05	2000	.90
1812												
581-LD12HA221JAB1A	LD12HA221JAB1A	C0G	220	3000	5%	2.54 (0.100)	2.30	1.92	1.54	1.34	2000	1.15
581-LD12GA331JAB1A	LD12GA331JAB1A	C0G	330	2000	5%	2.54 (0.100)	2.30	1.92	1.54	1.34	2000	1.15
581-LD12HC102KAB1A	LD12HC102KAB1A	X7R	1000	3000	5%	2.54 (0.100)	1.92	1.60	1.28	--	1000	1.12
581-LD12AC103KAB1A	LD12AC103KAB1A	X7R	0.01µF	1000	10%	2.54 (0.100)	1.92	1.60	1.28	--	1000	1.12
1825												
581-LD13HC272KAB1A	LD13HC272KAB1A	X7R	2700	3000	10%	2.54 (0.100)	2.52	2.10	1.68	--	1000	1.47
581-LD13GC562KAB1A	LD13GC562KAB1A	X7R	5600	2000	10%	2.54 (0.100)	2.52	2.10	1.68	--	1000	1.47
581-LD13CA103KAB1A	LD13CA103KAB1A	C0G	0.01µF	600	10%	2.54 (0.100)	2.52	2.10	1.68	--	1000	1.47
581-LD13GC103KAB1A	LD13GC103KAB1A	X7R	0.01µF	2000	10%	2.54 (0.100)	2.52	2.10	1.68	--	1000	1.47
581-LD13CC154KAB1A	LD13CC154KAB1A	X7R	0.15µF	600	10%	2.54 (0.100)	2.52	2.10	1.68	--	1000	1.47



Ceramic Caps, SMD

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