

Capacitors



Products by Type Designation

Chip & SMT Capacitors

Aluminum Electrolytic Capacitors

Film Capacitors

Mica Capacitors

Tantalum Capacitors

AC Motor-Run/Start and
Power Supply Capacitors



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Type	Description	Page	Type	Description	Page
057	105 °C MIL, axial, alum capacitor	2.198	381LR	105 °C hi-ripple, snap-in alum cap	2.099
066	85 °C std, axial alum capacitor	2.198	381LX	105 °C smaller, snap-in alum cap	2.089
066R	105 °C std, axial alum capacitor	2.198	382L	85 °C 4 or 5 pin hi C, snap-in alum	2.071
101C	105 °C MIL, screw-term, capacitor	2.056	382LX	85 °C 4 or 5 pin small, snap-in alum	2.071
125	125 °C MIL, screw-term, capacitor	2.196	383L	105 °C 4 or 5 pin hi C, snap-in alum	2.089
150	Axial leaded film capacitor	4.079	383LX	105 °C 4 or 5 pin small, snap-in alum	2.089
158X	Polyester, radial -X2 suppressor	4.041	400C	95 °C 3 pin large plug-in alum cap	2.147
160	Radial leaded polyester film	4.019	401C	105 °C 3 pin large plug-in alum cap	2.152
167/184	Metallized polyester film, 7.5 mm LS	4.024	420C	85 °C 3 pin large plug-in inverter grade	2.159
168/185	Metallized polyester film, 5 mm LS	4.028	450C	105 °C 3 pin large plug-in inverter grade	2.163
170	Axial leaded film capacitor	4.079	4CMC	85 °C 3 pin large plug-in alum cap	2.140
171	Metallized polypropylene film	4.079	500C	95 °C long life alum screw-term cap	2.025
271	HV, large rectangular mica cap	6.025	520C	85 °C inverter, alum screw-term cap	2.042
272	HV, large rectangular mica cap	6.025	550C	105 °C inverter, alum screw-term cap	2.049
273	HV, large rectangular mica cap	6.025	556	105 °C min axial, alum cap	2.198
291	HV, large cylindrical mica cap	6.027	557UHL	125 °C min mil axial, alum cap	2.198
292	HV, large cylindrical mica cap	6.027	7P	photoflash, snap-in/lug, alum cap	2.167
293	HV, large cylindrical mica cap	6.027	930	axial, met polypropylene cap	4.043
294	HV, large cylindrical mica cap	6.027	935	axia/lugs, met polypropylene cap	4.046
300	105 °C 3 pin, plug-in alum, capacitor	2.115	940C	axial, double-met polypropylene cap	4.048
300R	105 °C 3 pin, lower ESR, plug-in alum	2.115	941C	axial, oval double-met polypro cap	4.051
301	105 °C 2 pin, plug-in alum capacitor	2.115	942C	axial, foil-met/hybrid polypro cap	4.053
301R	105 °C 2 pin, lower ESR, plug-in alum	2.115	943C	axial, oval foil-met/hybrid polypro cap	4.055
3148	105 °C , screw-term, alum capacitor	2.196	950	AC motor run, axial, met polypro cap	4.057
3186	85 °C std, screw-term alum capacitor	2.020	A	Spark Arrestors	3.001
3188	105 °C , screw-term, alum capacitor	2.037	AEB	105 °C high volt, long-life, alum SMT	7.025
3191	85 °C switcher output, screw-term alum	2.196	AFC	105 °C low Z, long-life, alum SMT	7.012
3198	-55 +105 °C screw term, alum	2.196	AFC-KIT1	SMT alum capacitor kit 300 pcs	9.000
3199	-55 +85 °C std, screw term alum cap	2.196	AHA	105 °C long life alum SMT cap	7.007
325	125 °C 2 kh, 3 pin plug-in alum cap	2.131	AFK	105 °C low Z,ESR long-life, alum SMT	7.020
326	125 °C 2 kh, 2 pin plug-in alum cap	2.131	AFK-KIT1	SMT alum capacitor kit 184 pcs	9.000
330	105 °C 10 kh, 3 pin plug-in alum cap	2.126	AFK-KIT2	SMT alum capacitor kit 84 pcs	9.000
330R	105 °C 10 kh, 3 pin, low R, plug-in	2.126	AFK-KIT3	SMT alum capacitor kit 56 pcs	9.000
331	105 °C 10 kh, 2 pin plug-in alum cap	2.126	AHD	105 °C low-cap, long-life, alum SMT	7.016
331R	105 °C 10 kh, 2 pin, low R, plug-in	2.126	AVS	85 °C gen purp, alum SMT cap	7.002
3410	85 °C multi pin snap-in alum cap	2.197	AVS-KIT1	SMT alum capacitor kit 170 pcs	9.000
350	105 °C 3 pin, lo-L, plug-in alum	2.197	CD10	std dipped, radial, mica cap	6.002
361R	105 °C, 2 Pin, min, plug-in alum	2.135	CD15	std dipped, radial, mica cap	6.002
366R	105 °C, 3 Pin, min, plug-in alum	2.135	CD16	snubber/RF, dipped, radial, mica cap	6.009
380L	85 °C Hi C snap-in alum cap	2.071	CD17	HF, dipped, radial, mica cap	6.011
380LQ	85 °C compact snap-in alum cap	2.065	CD18	HF, dipped, radial, mica cap	6.011
380LX	85 °C smaller Hi C snap-in alum cap	2.071	CD19	std dipped, radial, mica cap	6.002
381EL	105 °C 7 kh snap-in alum cap	2.102	CD30	std dipped, radial, mica cap	6.002
381L	105 °C snap-in alum cap	2.089	CD4	HF, dipped, radial, mica cap	6.013
381LQ	105 °C compact snap-in alum cap	2.082	CD42	std dipped, radial, mica cap	6.002

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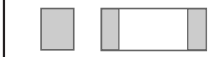



Type	Description	Page	Type	Description	Page
CD5	min dipped, radial, mica cap	6.006	ESRH	125 °C SMT polymer alum chip cap	7.035
C	Temperature Compensation ,EIA Class I	3.001	FCA	SMT acrylic film chip capacitor	7.086
CD6	min dipped, radial, mica cap	6.006	FCA-KIT1	acrylic film chip kit, 16 V, 168 pcs	9.001
CD7	min dipped, radial, mica cap	6.006	FCN	SMT PEN film chip capacitor	7.072
CDA15	reel packed dipped, radial, mica cap	6.015	FCN-KIT1	PEN film chip kit, 16 & 50 V, 80 pcs	9.001
CDS10	min dipped, radial, mica cap	6.006	FCN-KIT2	PEN film chip kit, 100 V, 100 pcs	9.001
CDS15	min dipped, radial, mica cap	6.006	FCN-KIT3	PEN film chip kit, 250 V, 120 pcs	9.001
CDS19	min dipped, radial, mica cap	6.006	FCP	SMT PPS film chip capacitor	7.080
CDS30	min dipped, radial, mica cap	6.006	FCP-KIT1	PPS film chip kit, 50 V, 204 pcs	9.001
CDS5	min dipped, radial, mica cap	6.006	G	General Purpose, 50 to 1000 WVDC	3.001
CDV16	snubber/RF, dipped, radial, mica cap	6.009	H	High Voltage, EIA Class II	3.001
CDV18	HF, dipped, radial, mica cap	6.011	HES	high energy, screw-terminal, alum cap	2.193
CDV19	std dipped, radial, mica cap	6.002	KV*	HV & pulse, mica-paper/polymer cap	6.036
CDV30	std dipped, radial, mica cap	6.002	LAB-KIT3	SMT polymer/alum chip kit, 408 pcs	9.000
CG	longlife screw-terminal alum cap	2.193	L, LE,LC	High Capacitance, EIA Class III	3.001
CGO	SMPS output, screw-terminal, alum cap	2.193	LP	105 °C operation, long life snap-in alum	2.194
CGR	high ripple, screw-terminal, alum cap	2.193	LPW	85 °C operation, low voltage, snap-in alum	2.194
CGS	gen purpose, screw-term, alum cap	2.193	LPX	85 °C operation, high voltage, snap-in alum	2.194
CMR03	hi-rel, dipped radial mica capacitor	6.016	MC	SMT mica chip capacitor	7.061
CMR04	hi-rel, dipped radial mica capacitor	6.016	MCN	Lead-free mica chip capacitor	7.061
CMR05	hi-rel, dipped radial mica capacitor	6.016	MCSK1	CATV mica chip kit, 100 V, 136 pcs	9.000
CMR06	hi-rel, dipped radial mica capacitor	6.016	MCSK14	HV mica chip kit, 1000 V, 80 pcs	9.000
CMR07	hi-rel, dipped radial mica capacitor	6.016	M15-M50	Resin Dipped, NPO,X7R, Radial Leaded	3.001
CMR08	hi-rel, dipped radial mica capacitor	6.016	M60	Resin Dipped, Radial Leaded	3.001
CS	CapStick metallized polymer network	4.036	MCSK2	CATV mica chip kit, 500 V, 136 pcs	9.000
CK	Resin Molded Case-X7R, and Z5U, Radial Leaded	3.001	MEXY	Class X2 and Y2/X2, polyester film cap	4.039
CKR	Resin Molded Case-X7R, and Z5U, Axial Leaded	3.001	MCM	metal clad GHz mica capacitors	7.068
D10	std dipped, radial, mica cap	6.002	MCSK3	RF & snub mica chip kit, 100 V, 144 pcs	9.000
D7	min dipped, radial, mica cap	6.006	MCSK4	RF & snub mica chip kit, 500 V, 144 pcs	9.000
DCMC	85 °C High C, alum screw-term cap	2.006	MICA-KIT1	Leaded mica capacitor kit, popular	9.001
DLR	inductive radial film/foil, poly cap	4.079	MICA-KIT2	Leaded mica capacitor kit,CD5	9.001
DME	compact, radial, met polyester cap	4.032	MICA-KIT3	Leaded mica capacitor kit, CD6/CD7	9.001
DMM	std dipped, radial, mica cap	4.079	MICA-KIT4	Leaded mica capacitor kit, CD15/19	9.001
DMMA	AC, radial, met polyester cap	4.079	MICA-KIT5A	Leaded mica capacitor kit, snubber	9.001
DMT	hi-f, radial, film/foil polyester cap	4.010	MICA-KIT6	Leaded mica capacitor kit, CD4, hf	9.001
DPFF	HV, radial, film/foil polypro cap.	4.079	MIN	metal clad GHz mica capacitors	7.068
DPM	hi-f, radial, met polypropylene cap	4.059	MLP	85 °C flatpack, aluminum cap	2.107
DPP	radial, film/foil polypropylene cap	4.079	MLS	125 °C stainless flatpack, alum cap	2.111
DPPM	HV, radial, film/foil polypro cap	4.061	MMA	AC, axial, oval, met polyester cap	4.079
DSF	min, radial, stacked met polyester	4.079	MMP	axial, oval, met polyester cap	4.006
ESRD	SMT polymer alum chip cap	7.035	MMWA	HV, axial, met polyester cap	4.008
ESRD-KIT6	polymer/alum chip kit, 1.8mm, 30 pcs	9.000	MPX	X2, AC, radial box, met polypro cap	4.079
ESRD-KIT9	polymer/alum chip kit, 3.1mm, 30 pcs	9.000	NLW	105 °C miniature axial alum cap	2.198
ESRE	SMT polymer alum chip cap	7.035	NPA	85 °C nonpolar axial leaded alum cap	2.198
ESRE-KIT2	polymer/alum chip kit, 4.2mm, 42 pcs	9.000			

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Type	Description	Page	Type	Description	Page
OTB	paper-film/foil, dc/ac rated cap	1.012	T	paper-film/ext foil HV dc filter cap	1.017
PF	photoflash screw term 500 V alum cap	2.169	T491	SMT Tantalum chip cap	7.054
PSU	AC motor start capacitor	1.020	T495	SMT Tantalum chip cap	7.058
PVC	polyester fil, radial leaded film	4.013	TAC	solid tantalum axial leads	8.012
Q/QRL	RC snubber network	4.038	TAS	solid tantalum, metal case	8.002
S	Temperature Compensating, EIA Class II	3.001	TAT	Wet tantalum, hermetic tan case, CLR79	8.028
SCC	2 IGBT clamp-snubber mods, diodes	4.071	TAX	Wet tantalum, hermetic tan case, CLR81	8.028
SCD	IGBT snubber cap modules	4.072	TC	85 °C axial leaded aluminum cap	2.198
SCM	1 or 2 IGBT snubber modules, diodes	4.074	TCG	85 °C axial leaded aluminum cap	2.198
SCR	paper-film/ext foil commutating cap	1.014	TCX	105 °C axial leaded, hi ripple, long life alum	2.198
SEK	105 °C long life plug-in alum cap	2.197	TDC	solid tantalum resin dipped, radial leads	8.020
SF	AC motor-run capacitor	1.002	TDL	solid tantalum resin dipped, radial leads	8.024
SF DUALS	AC motor-run, 2 capacitors	1.009	THF	solid tantalum, metal case, high freq	8.010
SF LIGHTING	AC lighting ballast capacitor	1.007	TIM	solid tantalum axial leads	8.016
SH	105 °C very long life plug-in alum cap	2.197	TKA	105 °C Axial leaded, long life, alum cap	2.198
SK	85 °C plug-in aluminum cap	2.197	TXA	solid tantalum, metal case, extended range	8.007
SKA	85 °C axial leaded aluminum cap	2.198	V-CHIP-KIT1	SMT alum cap kit, 420 pcs	9.000
SN	85 °C nonpolar miniature plug-in alum	2.197	V-CHIP-KIT2	SMT alum cap kit, 210 pcs	9.000
SPA	SMT polymer aluminum capacitor	7.035	V-CHIP-KIT4	SMT alum cap kit, 180 pcs	9.000
SS	85 °C plug-in aluminum cap	2.197	VPR	105 °C plug-in, low impedance alum	2.197
SNU	oil filled metallic oval snubber cap	1.019	WBR	85 °C std, axial alum capacitor	2.198
ST	strobe-flash, 360 & 450 V, alum cap	2.171	WMC	min axial, film/foil polyester cap	4.079
SXR	105 °C low impedance plug-in alum	2.197	WMF	axial film/foil, polyester cap	4.004
			WPP	axial, film/foil polypropylene cap	4.079

SMT & Chip Capacitors

Chip and SMT Selector Guide

Form Factor	Type	Description	Voltage Range (Vdc)	Capacitance Range (µF)	Temperature Range (°C)	Load Life (h @ °C)	Page Number
Aluminum Electrolytic, Cylindrical							
	AVS	General Purpose	4 to 100	0.1 to 1500	-40 to +85	2000 @ 85	7.002
	AHA	Long-Life	6.3 to 100	0.1 to 1500	-55 to +105	1000 or 2000 @ 85	7.007
	AFC	Long-Life, Low Impedance	6.3 to 50	1 to 1500	-55 to +105	1000 @ 105	7.012
	AHD	Very Long Life	10 to 100	0.47 to 330	-40 to +105	5000 @ 105	7.016
	AFK	Compact, Low ESR, Low Z, Long Life	6.3 to 100	3.3 to 6800	-55 to +105	2000 or 5000 @ 105	7.020
	AEB	High Voltage Low Z, Long Life	160 to 450	2.2 to 100	-20 to +105	3000 or 5000 @ 105	7.025
Aluminum Polymer, Chip							
	ESRD	Low Profile Tantalum D Case Compatible	2 to 16	2.2 to 270	-55 to +105	1000 @ 105	7.035
	ESRE	High Temperature Tantalum E Case Compatible	2 to 8	100 to 390	-55 to +105	1000 @ 105	7.035
	ESRH	Tantalum E Case Compatible	2 to 8	68 to 270	-55 to +105	1000 @ 105	7.035
	SPA	Ultra-Low ESR	2 to 6.3	56 to 470	-55 to +105	1000 @ 105	7.035
Mica Chip Capacitors							
	MC	Silver Mica, 0805, 1210, 1812, 2220	100 to 1000	1 pF to 0.0022	-55 to +125	2000 @ 125	7.061
Film Chip Capacitors							
	FCN	Met. PEN 1206 to 6040	16 to 250	0.001 to 1.0	-40 to +85 or -55 to +105	1000 @ 85	7.072
	FCP	Met. PPS, 0805, 1206, 1210, 1913, 2416	16 to 50	0.0001 to 0.22	-55 to +125	1000 @ 125	7.080
	FCA	Acrylic Resin, 0805, 1206, 1210	16	0.1 to 1.0	-40 to +85	1000 @ 85	7.086
Tantalum Chip Capacitors							
	T491	Solid Tantalum, 3216, 3528, 6032, 7343, 7343H	4 to 50	0.1 to 220	-55 to +125	2000 @ 85	7.054
	T495	Solid Tantalum 7343, 7342H&L	6 to 50	4.7 to 470	-55 to +125	2000 @ 85	7.058
Mica and Teflon Metal Clad Surface Mount Capacitors							
	MCM01	Mica Metal Clad	300 to 1000	33 to 1500 pF	-55 to +150	TBD	7.068
	MIN02		300	10 to 350 pF	-55 to +150	TBD	7.068
	MCM01	Teflon Metal Clad	300, 500	1 to 32 pF	-55 to +150	TBD	7.068
	MIN02		300	1 to 9 pF	-55 to +150	TBD	7.068