

SMD Type

Aluminium Electrolytic Capacitor

■ PART NUMBERING (型号命名方式)

● Product symbol (产品代码)

<u>CD50S</u> ①	<u>221</u> ②	<u>M</u> ③	<u>1E</u> ④	<u>D</u> ⑤	<u>A</u> ⑥
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① Type (类型)

CD50S KESENES Aluminium Electrolytic Capacitor (85°C Product)

CD50H KESENES Aluminium Electrolytic Capacitor (105°C Product)

② Capacitance (容量)

0.1uF = 0R1

0.33uF = R33

1uF = 010

4.7uF = 4R7

10uF = 100

22uF = 220

100uF = 101

220uF = 221

③ Tolerance (偏差)

K = ±10%

M = ±20%

④ Voltage (电压)

Voltage (V)	4	6.3	10	16	25	35	50	63	80	100
Symbol	0G	0J	1A	1C	1E	1V	1T	1J	1K	2A

⑤ Dimension (尺寸)

Dimension (mm)	3.0 x 5.4	4.0 x 5.4	5.0 x 5.4	6.3 x 5.4	8.0 x 6.2	8.0 x 10.2	10.0 x 10.2
Code	A	B	C	D	E	F	G

Dimension (mm)	4.0 x 5.8	5.0 x 5.8	6.3 x 5.8	6.3 x 7.7	8 x 6.5
Code	B2	C2	D2	D3	E2

⑥ Packing (包装)

T: Bulk (散装);

A: Tape Reel (编带盘装).

■ Standard Products (CD50S Series)

Part No.	Rating (V)	Cap. ($\pm 20\%$) (μ F)	Case Size			Specification		
			Dia. (mm)	Length (mm)	Size Code	Ripple Current (120Hz) (+85°C) (mA)	$\tan \delta$ (120Hz) (+20°C)	Endurance (hours)
CD50S220M0GAA	4	22	3	5.4	A	19	0.37	1000
CD50S330M0GBA	4	33	4	5.4	B	26	0.35	1000
CD50S470M0GBA	4	47	4	5.4	B	34	0.35	1000
CD50S101M0GCA	4	100	5	5.4	C	61	0.35	1000
CD50S221M0GDA	4	220	6.3	5.4	D	82	0.35	1000
CD50S331M0GDA	4	330	6.3	5.4	D	80	0.50	1000
CD50S471M0GD3A	4	470	6.3	7.7	D3	200	0.35	2000
CD50S220M0JAA	6.3	22	3	5.4	A	20	0.35	1000
CD50S220M0JBA	6.3	22	4	5.4	B	29	0.26	2000
CD50S330M0JBA	6.3	33	4	5.4	B	22	0.35	1000
CD50S470M0JBA	6.3	47	4	5.4	B	36	0.35	1000
CD50S470M0JCA	6.3	47	5	5.4	C	46	0.26	2000
CD50S101M0JCA	6.3	100	5	5.4	C	47	0.35	1000
CD50S101M0JDA	6.3	100	6.3	5.4	D	71	0.26	2000
CD50S221M0JDA	6.3	220	6.3	5.4	D	74	0.35	1000
CD50S331M0JD3A	6.3	330	6.3	7.7	D3	188	0.26	2000
CD50S331M0JEA	6.3	330	8	6.2	E	300	0.35	2000
CD50S471M0JFA	6.3	470	8	10.2	F	380	0.35	2000
CD50S102M0JFA	6.3	1000	8	10.2	F	500	0.35	2000
CD50S102M0JGA	6.3	1000	10	10.2	G	700	0.35	2000
CD50S152M0JGA	6.3	1500	10	10.2	G	750	0.35	2000
CD50S220M1ABA	10	22	4	5.4	B	28	0.30	1000
CD50S330M1ABA	10	33	4	5.4	B	29	0.30	1000
CD50S330M1ACA	10	33	5	5.4	C	43	0.20	2000
CD50S470M1ACA	10	47	5	5.4	C	47	0.30	1000
CD50S101M1ACA	10	100	5	5.4	C	50	0.30	1000
CD50S101M1ADA	10	100	6.3	5.4	D	70	0.26	2000
CD50S221M1AD3A	10	220	6.3	7.7	D3	173	0.20	2000
CD50S221M1AEA	10	220	8	6.2	E	250	0.26	2000
CD50S331M1AFA	10	330	8	10.2	F	390	0.26	2000
CD50S471M1AFA	10	470	8	10.2	F	390	0.26	2000
CD50S471M1AGA	10	470	10	10.2	G	400	0.26	2000
CD50S102M1AGA	10	1000	10	10.2	G	580	0.26	2000
CD50S100M1CAA	16	10	3	5.4	A	20	0.18	1000
CD50S100M1CBA	16	10	4	5.4	B	28	0.16	2000
CD50S220M1CBA	16	22	4	5.4	B	28	0.26	1000
CD50S220M1CCA	16	22	5	5.4	C	39	0.16	2000

SMD Type

Aluminium Electrolytic Capacitor

Part No.	Rating (V)	Cap. ($\pm 20\%$) (μF)	Case Size			Specification		
			Dia. (mm)	Length (mm)	Size Code	Ripple Current (120Hz) (+85°C) (mA)	$\tan \delta$ (120Hz) (+20°C)	Endurance (hours)
CD50S330M1CCA	16	33	5	5.4	C	35	0.26	1000
CD50S470M1CCA	16	47	5	5.4	C	39	0.26	1000
CD50S470M1CDA	16	47	6.3	5.4	D	70	0.16	2000
CD50S101M1CDA	16	100	6.3	5.4	D	70	0.26	1000
CD50S101M1CEA	16	100	8	6.2	E	200	0.20	2000
CD50S221M1CD3A	16	220	6.3	7.7	D3	162	0.16	2000
CD50S221M1CFEA	16	220	8	10.2	F	280	0.20	2000
CD50S331M1CFEA	16	330	8	10.2	F	320	0.20	2000
CD50S331M1CGA	16	330	10	10.2	G	380	0.20	2000
CD50S471M1CFEA	16	470	8	10.2	F	350	0.20	2000
CD50S471M1CGA	16	470	10	10.2	G	420	0.20	2000
CD50S4R7M1EAA	25	4.7	3	5.4	A	12	0.16	1000
CD50S4R7M1EBA	25	4.7	4	5.4	B	22	0.14	2000
CD50S100M1EBA	25	10	4	5.4	B	22	0.20	1000
CD50S100M1ECA	25	10	5	5.4	C	28	0.14	2000
CD50S220M1ECA	25	22	5	5.4	C	35	0.20	1000
CD50S220M1EDA	25	22	6.3	5.4	D	55	0.14	2000
CD50S330M1ECA	25	33	5	5.4	C	42	0.20	1000
CD50S330M1EDA	25	33	6.3	5.4	D	65	0.14	2000
CD50S470M1EDA	25	47	6.3	5.4	D	70	0.20	1000
CD50S101M1ED3A	25	100	6.3	7.7	D3	143	0.14	2000
CD50S101M1EEA	25	100	8	6.2	E	91	0.16	2000
CD50S101M1EFA	25	100	8	10.2	F	180	0.16	2000
CD50S221M1EFA	25	220	8	10.2	F	230	0.16	2000
CD50S221M1EGA	25	220	10	10.2	G	310	0.16	2000
CD50S331M1EFA	25	330	8	10.2	F	270	0.16	2000
CD50S331M1EGA	25	330	10	10.2	G	340	0.16	2000
CD50S471M1EGA	25	470	10	10.2	G	380	0.16	2000
CD50S2R2M1VAA	35	2.2	3	5.4	A	8	0.14	1000
CD50S3R3M1VAA	35	3.3	3	5.4	A	10	0.14	1000
CD50S4R7M1VBA	35	4.7	4	5.4	B	22	0.12	2000
CD50S100M1VBA	35	10	4	5.4	B	22	0.16	1000
CD50S100M1VCA	35	10	5	5.4	C	30	0.12	2000
CD50S220M1VCA	35	22	5	5.4	C	36	0.16	1000
CD50S220M1VDA	35	22	6.3	5.4	D	60	0.12	2000
CD50S330M1VDA	35	33	6.3	5.4	D	60	0.16	1000
CD50S330M1VEA	35	33	8	6.2	E	130	0.14	2000
CD50S470M1VDA	35	47	6.3	5.4	D	70	0.16	1000
CD50S470M1VEA	35	47	8	6.2	E	165	0.14	2000

Part No.	Rating (V)	Cap. ($\pm 20\%$) (μF)	Case Size			Specification		
			Dia. (mm)	Length (mm)	Size Code	Ripple Current (120Hz) (+85°C) (mA)	$\tan \delta$ (120Hz) (+20°C)	Endurance (hours)
CD50S101M1VD3A	35	100	6.3	7.7	D3	132	0.12	2000
CD50S101M1VFFA	35	100	8	10.2	F	140	0.14	2000
CD50S101M1VGGA	35	100	10	10.2	G	210	0.14	2000
CD50S221M1VFFA	35	220	8	10.2	F	200	0.14	2000
CD50S221M1VGGA	35	220	10	10.2	G	310	0.14	2000
CD50S331M1VGGA	35	330	10	10.2	G	350	0.14	2000
CD50S0R1M1TAA	50	0.1	3	5.4	A	1	0.14	1000
CD50S0R1M1TBGA	50	0.1	4	5.4	B	1	0.12	2000
CD50SR22M1TAA	50	0.22	3	5.4	A	2	0.14	1000
CD50SR22M1TBGA	50	0.22	4	5.4	B	2	0.12	2000
CD50SR33M1TAA	50	0.33	3	5.4	A	3	0.14	1000
CD50SR33M1TBGA	50	0.33	4	5.4	B	3	0.12	2000
CD50SR47M1TAA	50	0.47	3	5.4	A	5	0.14	1000
CD50SR47M1TBGA	50	0.47	4	5.4	B	5	0.12	2000
CD50S010M1TAA	50	1	3	5.4	A	8	0.14	1000
CD50S010M1TBGA	50	1	4	5.4	B	10	0.12	2000
CD50S2R2M1TAA	50	2.2	3	5.4	A	10	0.14	1000
CD50S2R2M1TBGA	50	2.2	4	5.4	B	16	0.12	2000
CD50S3R3M1TBGA	50	3.3	4	5.4	B	16	0.12	2000
CD50S4R7M1TBGA	50	4.7	4	5.4	B	18	0.14	1000
CD50S4R7M1TCA	50	4.7	5	5.4	C	23	0.12	2000
CD50S100M1TCA	50	10	5	5.4	C	27	0.14	1000
CD50S100M1TDGA	50	10	6.3	5.4	D	35	0.12	2000
CD50S220M1TDGA	50	22	6.3	5.4	D	40	0.14	1000
CD50S220M1TEGA	50	22	8	6.2	E	120	0.12	2000
CD50S330M1TD3A	50	33	6.3	7.7	D3	65	0.12	2000
CD50S330M1TEGA	50	33	8	6.2	E	65	0.12	2000
CD50S330M1TFGA	50	33	8	10.2	F	110	0.12	2000
CD50S470M1TD3A	50	47	6.3	7.7	D3	105	0.12	2000
CD50S470M1TFGA	50	47	8	10.2	F	110	0.12	2000
CD50S470M1TGGA	50	47	10	10.2	G	130	0.12	2000
CD50S101M1TFGA	50	100	8	10.2	F	200	0.12	2000
CD50S101M1TGGA	50	100	10	10.2	G	250	0.12	2000
CD50S221M1TGGA	50	220	10	10.2	G	300	0.12	2000
CD50S220M1JEGA	63	22	8	6.2	E	35	0.18	2000
CD50S220M1JFGA	63	22	8	10.2	F	40	0.18	2000
CD50S330M1JFGA	63	33	8	10.2	F	45	0.18	2000
CD50S470M1JFGA	63	47	8	10.2	F	45	0.18	2000
CD50S470M1JGGA	63	47	10	10.2	G	50	0.18	2000

Aluminium Cap

■ Standard Products (CD50H Series)

Part No.	Rating (V)	Cap. ($\pm 20\%$) (μF)	Case Size			Specification		
			Dia. (mm)	Length (mm)	Size Code	Ripple Current (100KHz) (+105°C) (mA)	Impedance (100KHz) (+20°C) (Ω)	$\tan \delta$ (120Hz) (+20°C)
CD50H220M0JB2A	6.3	22	4	5.8	B2	90	1.35	0.26
CD50H470M0JB2A	6.3	47	4	5.8	B2	90	1.35	0.26
CD50H470M0JC2A	6.3	47	5	5.8	C2	160	0.70	0.26
CD50H101M0JC2A	6.3	100	5	5.8	C2	160	0.70	0.26
CD50H101M0JD2A	6.3	100	6.3	5.8	D2	240	0.36	0.26
CD50H221M0JD2A	6.3	220	6.3	5.8	D2	240	0.36	0.26
CD50H331M0JD3A	6.3	330	6.3	7.7	D3	280	0.34	0.26
CD50H331M0JEA	6.3	330	8	6.2	E	300	0.26	0.26
CD50H471M0JFA	6.3	470	8	10.2	F	600	0.16	0.26
CD50H102M0JFA	6.3	1000	8	10.2	F	600	0.16	0.26
CD50H152M0JGA	6.3	1500	10	10.2	G	850	0.08	0.26
CD50H220M1AB2A	10	22	4	5.8	B2	90	1.35	0.19
CD50H330M1AB2A	10	33	4	5.8	B2	90	1.35	0.19
CD50H330M1AC2A	10	33	5	5.8	C2	160	0.70	0.19
CD50H151M1AD2A	10	150	6.3	5.8	D2	240	0.36	0.19
CD50H221M1AD3A	10	220	6.3	7.7	D3	280	0.34	0.19
CD50H221M1AEA	10	220	8	6.2	E	300	0.26	0.19
CD50H331M1AFA	10	330	8	10.2	F	600	0.16	0.19
CD50H471M1AFA	10	470	8	10.2	F	600	0.16	0.19
CD50H681M1AFA	10	680	8	10.2	F	600	0.16	0.19
CD50H102M1AGA	10	1000	10	10.2	G	850	0.08	0.19
CD50H100M1CB2A	16	10	4	5.8	B2	90	1.35	0.16
CD50H220M1CB2A	16	22	4	5.8	B2	90	1.35	0.16
CD50H220M1CC2A	16	22	5	5.8	C2	160	0.70	0.16
CD50H470M1CC2A	16	47	5	5.8	C2	160	0.70	0.16
CD50H470M1CD2A	16	47	6.3	5.8	D2	240	0.36	0.16
CD50H680M1CD2A	16	68	6.3	5.8	D2	240	0.36	0.16
CD50H101M1CD2A	16	100	6.3	5.8	D2	240	0.36	0.16
CD50H151M1CD3A	16	150	6.3	7.7	D3	280	0.34	0.16
CD50H221M1CD3A	16	220	6.3	7.7	D3	280	0.34	0.16
CD50H221M1CEA	16	220	8	6.2	E	300	0.26	0.16
CD50H331M1CFA	16	330	8	10.2	F	600	0.16	0.16
CD50H471M1CFA	16	470	8	10.2	F	600	0.16	0.16
CD50H681M1CGA	16	680	10	10.2	G	850	0.08	0.16
CD50H100M1EB2A	25	10	4	5.8	B2	90	1.35	0.14
CD50H220M1EC2A	25	22	5	5.8	C2	160	0.7	0.14
CD50H330M1EC2A	25	33	5	5.8	C2	160	0.7	0.14

Part No.	Rating (V)	Cap. ($\pm 20\%$) (μF)	Case Size			Specification		
			Dia. (mm)	Length (mm)	Size Code	Ripple Current (100KHz) (+105°C) (mA)	Impedance (100KHz) (+20°C) (Ω)	$\tan \delta$ (120Hz) (+20°C)
CD50H330M1ED2A	25	33	6.3	5.8	D2	240	0.36	0.14
CD50H470M1ED2A	25	47	6.3	5.8	D2	240	0.36	0.14
CD50H680M1ED2A	25	68	6.3	5.8	D2	240	0.36	0.14
CD50H101M1ED3A	25	100	6.3	7.7	D3	280	0.34	0.14
CD50H101M1EEA	25	100	8	6.2	E	300	0.26	0.14
CD50H151M1EFA	25	150	8	10.2	F	600	0.16	0.14
CD50H221M1EFA	25	220	8	10.2	F	600	0.16	0.14
CD50H331M1EFA	25	330	8	10.2	F	600	0.16	0.14
CD50H471M1EGA	25	470	10	10.2	G	850	0.08	0.14
CD50H4R7M1VB2A	35	4.7	4	5.8	B2	90	1.35	0.12
CD50H100M1VB2A	35	10	4	5.8	B2	90	1.35	0.12
CD50H100M1VC2A	35	10	5	5.8	C2	160	0.70	0.12
CD50H220M1VC2A	35	22	5	5.8	C2	160	0.70	0.12
CD50H330M1VD2A	35	33	6.3	5.8	D2	240	0.36	0.12
CD50H470M1VD2A	35	47	6.3	5.8	D2	240	0.36	0.12
CD50H680M1VD3A	35	68	6.3	7.7	D3	280	0.34	0.12
CD50H101M1VD3A	35	100	6.3	7.7	D3	280	0.34	0.12
CD50H101M1VFA	35	100	8	10.2	F	600	0.16	0.12
CD50H151M1VFA	35	150	8	10.2	F	600	0.16	0.12
CD50H221M1VFA	35	220	8	10.2	F	600	0.16	0.12
CD50H331M1VGA	35	330	10	10.2	G	850	0.08	0.12
CD50H4R7M1TB2A	50	4.7	4	5.8	B2	60	2.9	0.10
CD50H100M1TC2A	50	10	5	5.8	C2	85	1.52	0.10
CD50H100M1TD2A	50	10	6.3	5.8	D2	165	0.88	0.10
CD50H220M1TD2A	50	22	6.3	5.8	D2	165	0.88	0.10
CD50H330M1TD3A	50	33	6.3	7.7	D3	195	0.68	0.10
CD50H330M1TEA	50	33	8	6.2	E	195	0.68	0.10
CD50H470M1TD3A	50	47	6.3	7.7	D3	195	0.68	0.10
CD50H470M1TEA	50	47	8	6.2	E	195	0.68	0.10
CD50H101M1TFA	50	100	8	10.2	F	350	0.34	0.10
CD50H151M1TGA	50	150	10	10.2	G	670	0.18	0.10
CD50H221M1TGA	50	220	10	10.2	G	670	0.18	0.10
CD50H4R7M1JC2A	63	4.7	5	5.8	C2	50	3.0	0.08
CD50H100M1JD2A	63	10	6.3	5.8	D2	80	1.5	0.08
CD50H220M1JD3A	63	22	6.3	7.7	D3	120	1.2	0.08
CD50H220M1JEA	63	22	8	6.2	E	120	1.2	0.08
CD50H330M1JFA	63	33	8	10.2	F	250	0.65	0.08
CD50H470M1JFA	63	47	8	10.2	F	250	0.65	0.08
CD50H680M1JFA	63	68	8	10.2	F	250	0.65	0.08

Aluminium Cap