

CORNELL DUBILIER Multilayer SMD & Radial Capacitors

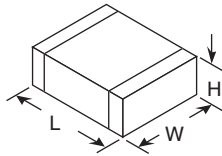


MC SERIES HIGH POWER HV RF CHIP CAPACITORS

For quantities of 1000 and up, call for quote.

Specifications:

- Temperature range: -55°C to +125°C
- Insulation resistance: 100GΩ min.
- Pulse handling: dV/dt of 20,000 v/μs
- Tight tolerances available
- Wave solderable
- Typical IRMS > 8 Amps @ 100 mHz



Features:

- Low impedance to beyond 1GHz
- Near-zero capacitance change in all environments
- Withstands 200% rated voltage for up to 5 seconds
- Applications: CATV, flight radio, precision timing, RF and microwave, resonators, and stripline termination
- No cracking / delaminating



RoHS Compliant

MOUSER STOCK NO.	CDE Type MC	Volt (DC)	Value (pF)	Tol. ±	Temp. Coeff. ppm/°C	Case Size (in.)			Price Each		
						L	W	H	1	100	500
5982-08-100V1.0-F	08CA010D	100	1	.5pf	100	.079	.049	.05	1.02	.72	.61
5982-08-100V5.0-F	08CA050D	100	5	.5pf	100	.079	.049	.05	1.02	.72	.61
5982-08-100V10-F	08CA100D	100	10	.5pf	100	.079	.049	.05	1.02	.72	.61
5982-08-100V15-F	08CA150J	100	15	5%	50	.079	.049	.05	1.02	.72	.61
5982-12-100V100-F	12FA101J	100	100	5%	25	.126	.098	.059	1.27	.89	.76
5982-12-500V5.0-F	12CD050D	500	5	.5pf	100	.126	.098	.059	1.27	.89	.76
5982-12-500V7.0-F	12CD070D	500	7	.5pf	100	.126	.098	.059	1.27	.89	.76
5982-12-500V10-F	12CD100D	500	10	.5pf	100	.126	.098	.059	1.27	.89	.76
5982-12-500V47-F	12FD470J	500	47	5%	25	.126	.098	.059	1.31	.92	.79
5982-18-500V100-F	18FD101J	500	100	5%	25	.177	.126	.079	1.59	1.13	.93
5982-18-500V220-F	18FD221J	500	220	5%	25	.177	.126	.079	1.77	1.26	1.04
5982-18-500V330-F	18FD331J	500	330	5%	25	.177	.126	.079	1.98	1.37	1.19
5982-18-500V470-F	18FD471J	500	470	5%	25	.177	.126	.079	2.20	1.52	1.32
5982-22-500V1000-F	22FD102J	500	1000	5%	25	.224	.197	.079	3.38	2.38	2.03
5982-22-1000V390-F	22FF391J	1000	390	5%	25	.224	.197	.157	3.04	2.13	1.81
5982-22-1000V470-F	22FF471J	1000	470	5%	25	.224	.197	.157	3.04	2.13	1.81
5982-22-1000V820-F	22FF821J	1000	820	5%	25	.224	.197	.157	3.86	2.71	2.31
5982-22-1000V1000-F	22FF102J	1000	1000	5%	25	.224	.197	.157	4.08	2.87	2.43
5982-22-1000V1500-F	22FF152J	1000	1500	5%	25	.224	.197	.157	4.93	3.46	2.96

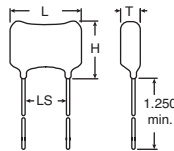
Mica Capacitors

Cornell Dubilier

RADIAL LEAD MICA HV RF CAPACITORS

Exclusive CDE dipping process to impart high moisture and humidity resistance. Conforms to EIA specifications.

- Tolerance: D=±5pF, J=±5%
- Temperature range: -55°C to +125°C
- Voltage range: 100, 300, 500, and 1000VWVDC
- Vibration test: 10-2000Hz
- Pulse handling: dV/dt of 20,000 v/μs



DIMENSIONS: in.

Lead Spacing: in.							
CD5	CD10	CD15	CD19	CD30	CDV16	CDV19	CDV30
.120	.141	.234	.344	.438	.234	.344	.438

Dipped Mica Dielectric Capacitors

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE Type	Volt (DC)	Value (pF)	Dimensions: in. Max.			Price Each		
				L	H	T	1	25	100
Manufacturer's Type CD5 Series									
5982-5-300V1	CC010DO3	300	1	.270	.190	.110	1.69	1.42	.90
5982-5-300V2	CC020DO3	300	2	.270	.190	.110	1.69	1.42	.90
5982-5-300V3	CC030DO3	300	3	.270	.190	.110	1.28	1.02	.82
5982-5-300V5	CC050DO3	300	5	.270	.190	.110	1.69	1.42	.90
5982-5-300V10	CC100DO3	300	10	.270	.190	.110	.91	.73	.58
5982-5-300V15	CC150J03	300	15	.270	.190	.120	.94	.75	.61
5982-5-300V20	EC200J03	300	20	.270	.200	.120	1.31	1.11	.71
5982-5-300V30	EC300J03	300	30	.270	.200	.130	1.42	1.20	.76
5982-5-300V33	EC330J03	300	33	.270	.200	.130	1.11	.90	.71
5982-5-300V47	EC470J03	300	47	.270	.210	.140	1.65	1.40	.89
5982-5-300V100	FC101J03	300	100	.270	.240	.180	1.85	1.48	1.18
5982-5-100V150	FA151J03	100	150	.270	.230	.170	2.07	1.65	1.33
Manufacturer's Type CD10 Series									
5982-10-500V5	CD050DO3	500	5	.360	.330	.190	1.37	1.06	.89
5982-10-500V10	CD100DO3	500	10	.360	.330	.190	1.37	1.06	.89
5982-10-500V12	CD120J03	500	12	.360	.330	.190	1.37	1.06	.89
5982-10-500V15	CD150J03	500	15	.360	.330	.190	1.37	1.06	.89
5982-10-500V18	CD180J03	500	18	.360	.330	.190	1.37	1.06	.89
5982-10-500V22	ED220J03	500	22	.360	.330	.190	1.03	.80	.67
5982-10-500V24	ED240J03	500	24	.360	.330	.190	1.03	.80	.67
5982-10-500V27	ED270J03	500	27	.370	.330	.190	1.03	.80	.67
5982-10-500V30	ED300J03	500	30	.370	.340	.190	1.03	.80	.67
5982-10-500V33	ED330J03	500	33	.370	.340	.190	1.03	.80	.67
5982-10-500V39	ED390J03	500	39	.370	.340	.190	1.17	.90	.76
5982-10-500V47	ED470J03	500	47	.370	.340	.190	1.21	.94	.79
5982-10-500V56	ED560J03	500	56	.370	.340	.190	1.21	.94	.79
5982-10-500V100	FD101J03	500	100	.370	.350	.200	1.26	.98	.83
5982-10-500V150	FD151J03	500	150	.380	.360	.210	1.30	1.00	.85
5982-10-500V220	FD221J03	500	220	.390	.380	.220	1.78	1.38	1.16
5982-10-500V300	D105F301J03	500	300	.390	.380	.220	2.56	2.04	1.63
5982-10-500V330	D105F331J03	500	330	.390	.380	.220	2.54	2.03	1.62
Manufacturer's Type CD15 Series									
5982-15-500V3	CD030DO3	500	3	.450	.360	.170	.72	.56	.48
5982-15-500V5	CD050DO3	500	5	.450	.360	.170	.72	.56	.48
5982-15-500V10	CD100DO3	500	10	.450	.360	.170	.72	.56	.48
5982-15-500V15	CD150J03	500	15	.450	.360	.170	.70	.54	.46
5982-15-500V20	ED200J03	500	20	.450	.360	.170	.70	.54	.46
5982-15-500V22	ED220J03	500	22	.450	.360	.170	.72	.56	.48
5982-15-500V27	ED270J03	500	27	.450	.360	.170	.72	.56	.48
5982-15-500V30	ED300J03	500	30	.450	.360	.170	.72	.56	.48
5982-15-500V33	ED330J03	500	33	.450	.360	.170	.72	.56	.48
5982-15-500V47	ED470J03	500	47	.450	.360	.170	.71	.55	.47
5982-15-500V50	ED500J03	500	50	.450	.360	.170	.71	.55	.47
5982-15-500V56	ED560J03	500	56	.450	.360	.170	.71	.55	.47
5982-15-500V68	ED680J03	500	68	.450	.360	.180	.73	.56	.48
5982-15-500V75	ED750J03	500	75	.450	.360	.180	.73	.56	.48
5982-15-500V82	ED820J03	500	82	.450	.360	.180	.73	.56	.48

Dipped Mica Dielectric Capacitors (cont.)

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MOUSER STOCK NO.	CDE Type	Volt (DC)	Value (pF)	Dimensions: in. Max.			Price Each		
				L	H	T	1	25	100
Manufacturer's Type CD15 Series (cont.)									
5982-15-500V100	FD101J03	500	100	.460	.360	.180	.73	.56	.48
5982-15-500V120	FD121J03	500	120	.460	.370	.180	.81	.63	.53
5982-15-500V150	FD151J03	500	150	.460	.370	.190	.54	.49	.47
5982-15-500V180	FD181J03	500	180	.460	.370	.190	.96	.75	.64
5982-15-500V200	FD201J03	500	200	.460	.380	.190	.96	.75	.64
5982-15-500V220	FD221J03	500	220	.460	.380	.200	1.02	.78	.67
5982-15-500V250	FD251J03	500	250	.470	.390	.210	1.08	.84	.71
5982-15-500V270	FD271J03	500	270	.470	.390	.210	1.18	.91	.77
5982-15-500V330	FD331J03	500	330	.470	.390	.210	1.38	1.06	.90
5982-15-500V360	FD361J03	500	360	.470	.390	.210	1.49	1.16	.99
5982-15-500V390	FD391J03	500	390	.470	.390	.210	1.49	1.16	.99
5982-15-500V430	FD431J03	500	430	.470	.390	.210	1.65	1.27	1.08
5982-15-500V470	FD471J03	500	470	.470	.400	.220	1.74	1.34	1.15
5982-15-500V500	FD501J03	500	500	.470	.400	.220	1.77	1.37	1.16
5982-15-500V560	FD561J03	500	560	.460	.380	.210	1.85	1.43	1.21
5982-15-300V620	FC621J03	300	620	.470	.380	.210	1.99	1.54	1.30
5982-15-300V680	FC681J03	300	680	.470	.390	.210	2.23	1.73	1.46
5982-15-300V820	FC821J03	300	820	.470	.390	.210	2.57	1.98	1.68
5982-15-100V1000	FA102J03	100	1000	.480	.400	.230	2.43	1.88	1.59
Manufacturer's Type CD19 Series									
5982-19-500V270	FD271J03	500	270	.640	.500	.190	1.65	1.39	.89
5982-19-500V330	FD331J03	500	330	.640	.500	.190	1.71	1.43	.92
5982-19-500V390	FD391J03	500	390	.640	.510	.200	1.76	1.48	.95
5982-19-500V470	FD471J03	500	470	.640	.510	.200	1.18		