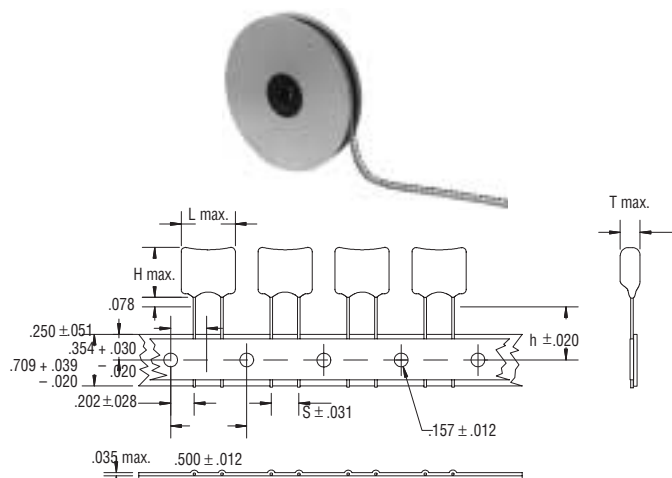


Type CDA15 Especially for Reel-Packed, Mica Capacitors

Best Value Choice for Auto Insertion Applications



See ordering information on page

Specifications

Capacitance Range: 1 pF to 1,500pF

Voltage Range: 100 Vdc to 500 Vdc

Capacitance Tolerance: ±½ pF (D), ±1 pF (C), ±½% (E), ±1% (F), ±2% (G), ±5% (J)

Temperature Range: -55 °C to +125 °C (O)
-55 °C to +150 °C (P)

Lead Material: Copper

Lead Spacing: 0.200 Inches (5.1 mm)

Type CDA15 is designed especially for auto-insertion and is the best value choice for tape and reel and ammo-pack feed systems. CDA15 is used in commercial and industrial applications requiring high stability, high Q and close capacitance tolerances. Type CDA15 is ideal for tuned circuits, delay lines and filter circuits.

Highlights

- ♦ Available only on tape/reel or ammo pack
- ♦ High temperature — up to 150 °C
- ♦ 100,000 V/μs dV/dt pulse capability minimum
- ♦ Non-flammable units that meet IEC 695-2-2 are available
- ♦ Straight or crimp leads

Ratings

Cap (pF)	Catalog Part Number	L Inches (mm)	H Inches (mm)	T Inches (mm)
100 Vdc				
910	CDA15FA911J03	.450 (11.4)	.400 (10.2)	.170 (4.3)
1000	CDA15FA102J03	.450 (11.4)	.400 (10.2)	.170 (4.3)
1100	CDA15FA112J03	.460 (11.7)	.400 (10.2)	.180 (4.6)
1200	CDA15FA122J03	.460 (11.7)	.420 (10.7)	.180 (4.6)
1500	CDA15FA152J03	.460 (11.7)	.430 (10.9)	.180 (4.6)
300 Vdc				
560	CDA15FC561J03	.450 (11.4)	.380 (9.7)	.160 (4.1)
620	CDA15FC621J03	.450 (11.4)	.380 (9.7)	.160 (4.1)
680	CDA15FC681J03	.450 (11.4)	.390 (9.9)	.160 (4.1)
750	CDA15FC751J03	.450 (11.4)	.390 (9.9)	.170 (4.3)
820	CDA15FC821J03	.450 (11.4)	.390 (9.9)	.170 (4.3)
500 Vdc				
1	CDA15CD010D03	.430 (10.9)	.360 (9.1)	.140 (3.6)
2	CDA15CD020D03	.430 (10.9)	.360 (9.1)	.140 (3.6)
3	CDA15CD030D03	.430 (10.9)	.360 (9.1)	.140 (3.6)
4	CDA15CD040D03	.430 (10.9)	.360 (9.1)	.140 (3.6)
5	CDA15CD050D03	.430 (10.9)	.360 (9.1)	.140 (3.6)
6	CDA15CD060D03	.430 (10.9)	.360 (9.1)	.140 (3.6)
7	CDA15CD070D03	.430 (10.9)	.360 (9.1)	.140 (3.6)
8	CDA15CD080D03	.430 (10.9)	.360 (9.1)	.140 (3.6)
10	CDA15CD100J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
12	CDA15CD120J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
15	CDA15CD150J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
18	CDA15CD180J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
20	CDA15ED200J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
22	CDA15ED220J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
24	CDA15ED240J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
27	CDA15ED270J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
30	CDA15ED300J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
33	CDA15ED330J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
36	CDA15ED360J03	.430 (10.9)	.360 (9.1)	.140 (3.6)

Cap (pF)	Catalog Part Number	L Inches (mm)	H Inches (mm)	T Inches (mm)
500 Vdc				
39	CDA15ED390J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
43	CDA15ED430J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
47	CDA15ED470J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
50	CDA15ED500J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
51	CDA15ED510J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
56	CDA15ED560J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
62	CDA15ED620J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
68	CDA15ED680J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
75	CDA15ED750J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
82	CDA15ED820J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
91	CDA15FD910J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
100	CDA15FD101J03	.430 (10.9)	.360 (9.1)	.140 (3.6)
110	CDA15FD111J03	.440 (11.2)	.360 (9.1)	.150 (3.8)
120	CDA15FD121J03	.440 (11.2)	.360 (9.1)	.150 (3.8)
130	CDA15FD131J03	.440 (11.2)	.360 (9.1)	.150 (3.8)
150	CDA15FD151J03	.440 (11.2)	.360 (9.1)	.150 (3.8)
160	CDA15FD161J03	.440 (11.2)	.360 (9.1)	.150 (3.8)
180	CDA15FD181J03	.440 (11.2)	.360 (9.1)	.160 (4.1)
200	CDA15FD201J03	.440 (11.2)	.360 (9.1)	.160 (4.1)
220	CDA15FD221J03	.440 (11.2)	.360 (9.1)	.160 (4.1)
240	CDA15FD241J03	.440 (11.2)	.360 (9.1)	.160 (4.1)
250	CDA15FD251J03	.440 (11.2)	.360 (9.1)	.160 (4.1)
270	CDA15FD271J03	.440 (11.2)	.360 (9.1)	.160 (4.1)
300	CDA15FD301J03	.440 (11.2)	.360 (9.1)	.160 (4.1)
330	CDA15FD331J03	.440 (11.2)	.360 (9.1)	.160 (4.1)
360	CDA15FD361J03	.440 (11.2)	.370 (9.4)	.160 (4.1)
390	CDA15FD391J03	.440 (11.2)	.370 (9.4)	.160 (4.1)
430	CDA15FD431J03	.440 (11.2)	.380 (9.7)	.160 (4.1)
470	CDA15FD471J03	.440 (11.2)	.380 (9.7)	.160 (4.1)
500	CDA15FD501J03	.440 (11.2)	.380 (9.7)	.160 (4.1)
510	CDA15FD511J03	.440 (11.2)	.380 (9.7)	.160 (4.1)

MICA RoHS Compliance Worksheet

Series or Type	Description or Photo	RoHS Compliance Identification on Device	Terminal Finish	PB Free	RoHS Compliant	Compliant Part Number	Package Marking	Date Compliant	Moisture Sensitivity Level (IPC/JEDEC J-STD-020C)	Soldering Conditions (Temp/Time)	Notes
CD (except as noted below)	Silvered Dipped Mica	mustard color	Sn	<1000 PPM*	Y	add letter F after the number 3 at end of part no.	PER JESD97	2/1/2006	N/A	260°C/10s	clamped leads so no problem with tin foil
CD6, CD7	Silvered Dipped Mica	N/A	Sn	N	N	N/A	N/A	N/A	N/A	260°C/10s	lead solder required to attach leads to lead foil section
CDB, CDVB	Metallurgical Bonded Ag Dipped Mica	N/A	Sn40Pb	N	N	N/A	N/A	N/A	N/A	260°C/10s	Requires Lead foil in order to metallurgically bond successfully
CM0, CMR	Silvered Dipped Mica	N/A	Sn40Pb	N	N	N/A	N/A	N/A	N/A	260°C/10s	Military part and must contain PB in leads
MC	SMT Mica Chip	N	Sn	<1000 PPM*	Y	add suffix -F	PER JESD97	3/25/2005	MSL2A	220-260/10s	
MCH, MCN	SMT nonmagnetic mica chip	N	Sn	<1000 PPM*	Y	always been compliant	PER JESD97	ALWAYS	MSL2A	220-260/10s	
MIN	SMT Metal Clad Mica	N/A	Ag	<1000 PPM*	Y	add suffix -F	PER JESD97	1/1/2006	W/A	260°C/10s	
MCM	Metal Clad Mica	N/A	Ag	<1000 PPM*	Y	add suffix -F	PER JESD97	1/1/2006	W/A	260°C/10s	

* subject to exemption #5

Revision Date: 02/24/10

To the best of our knowledge, the information provided on the enclosed is correct as of the date indicated on the document. Since some of the information is provided by the