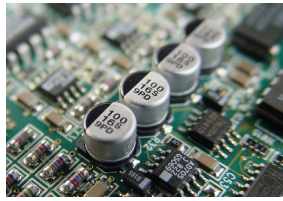


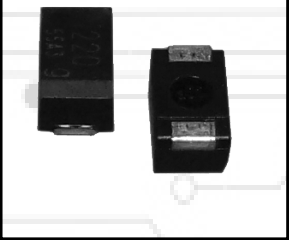
## CDE AT A GLANCE

### Capacitors for SMT Board Level Power Applications



Cornell Dubilier Electronics is the leading supplier of capacitors for power electronic applications, including our SMT offering for board level power requirements. Whether your application is for power conversion, telecommunications, computers, security/alarm equipment or others, with our extensive product line of aluminum electrolytic, solid polymer, film chip and mica chip capacitors, we have the right capacitor choice for your application.

### SPCX and SPSX Solid Polymer Capacitors

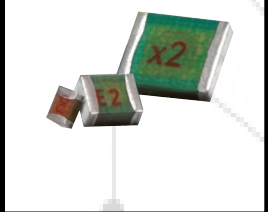


Our solid polymer SPCX and SPSX SMT capacitors are an ideal choice for high ripple current filtering when board space is at a premium. With a low profile of 1.9mm, these capacitors pack a lot in a small package. Both the SPCX and SPSX series are ideal choices for DC/DC converters, computers, measuring equipment and industrial robots. One of our polymer chip capacitors can be used to replace two or more tantalum capacitors. If you need lower ESR and a higher ripple current, our SPSX is the series for you.

- High ripple current, 3 Amps max. at 100 kHz/+105 °C
- Ultra low ESR 9 milliohms at 100 kHz
- Low profile 1.9 mm height
- -40 °C to +105 °C operating temperatures
- Capacitance ranges from 82  $\mu$ F to 470  $\mu$ F

Learn more: <http://www.cde.com/catalog/smt/#spa>

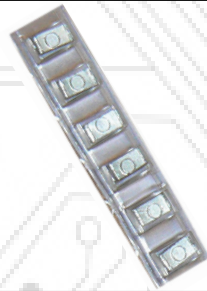
### MC and MCN Multilayer RF Mica Capacitors



Types MC and MCN are ideal for RF applications when other multilayer capacitors aren't recommended because of cracking. Replace two or more ceramic or porcelain capacitors with one RF mica chip capacitor.

- Extremely high Q at UHF/VHF frequencies
- Free from thermal cracking, FR4 compatible
- -55 °C to +125 °C operating temperatures
- Capacitance ranges from 0.5 pF to 2200 pF

Learn more: <http://www.cde.com/catalog/mica/#chip>



### FCP Surface Mount Film Capacitors

We offer SMT film capacitors in all standard case sizes in tape and reel. The FCP series offers high capacitance density and its excellent high frequency response makes it a great choice for wireless and instrumentation applications.

- Excellent high frequency performance
- Stacked metallized polyphenylene sulfide (PPS) film.
- -55 °C to +125 °C operating temperatures
- Capacitance ranges from 100 pF to 0.22  $\mu$ F

Learn more: <http://www.cde.com/catalog/smt/#film>

### SMT Aluminum Electrolytic Capacitors



Our SMT aluminum electrolytic capacitors can handle all your application needs. For general purpose, our AVE and AVS series offer a great value for filter and bypass applications at 85 °C. Type AFK offers low impedance performance at a significant cost savings compared to tantalum options. If you have a high voltage application, our type AEB is for you. Offering low impedance in ratings up to 450 Vdc and long life, it is an excellent choice for power supply input and other high voltage applications. Our AVEZ capacitors are rated for 1000 hours at 105 °C with low impedance characteristics. They are ideal for high density PC board packaging.

- AEB - High voltage, low Z, long-life
- AFK - Compact, low ESR, low Z
- AVE - Low impedance, long-life
- AVEZ - Low impedance
- AVS - General purpose

Learn more: <http://www.cde.com/catalog/alum/#smt>

### Contact us for your next design:

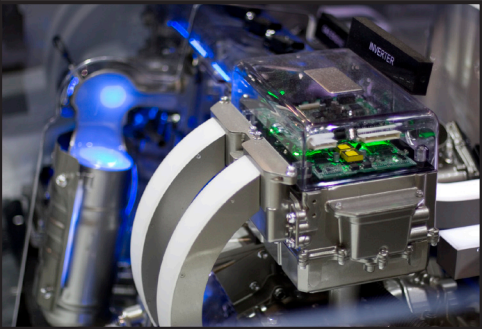


**CORNELL  
DUBILIER**

Capacitor Solutions for Power Electronics

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KEY MARKETS FOR CDE CAPACITORS				
	SMT Aluminum Electrolytic	SMT Aluminum Polymer	SMT Film	SMT Mica
<b>INVERTERS / CONVERTERS</b>				
DC/DC Converters	◆	◆		◆
Brick Inverters/Converters	◆	◆		◆
<b>COMPUTER</b>				
Motherboards	◆	◆		◆
CPU	◆	◆		◆
LCD Monitors	◆	◆		◆
Power Supplies	◆	◆		◆
<b>VIDEO</b>				
Video Gaming Card	◆	◆		◆
LCD Display	◆	◆		◆
Power Supplies	◆	◆		◆
<b>COMMUNICATIONS</b>				
Audio Amplifiers	◆	◆	◆	
Avionics			◆	
Mobile Radios			◆	
<b>MEDICAL</b>				
MRI			◆	
Curettage			◆	
RF Ablation			◆	
Power Supplies	◆	◆	◆	◆

**Contact us for your next design:**