

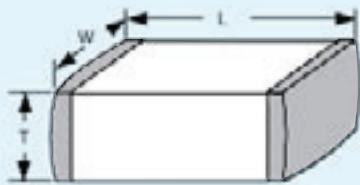
DLI's new web based CapCad™ capacitor modeling software was developed to provide customers with an easy to use and readily accessible comparison tool for choosing the best Single-Layer, Multi Layer or Broadband Blocking capacitor to suit the customer's needs. CapCad™ includes SPICE models with values that reflect typical performance at the chosen frequencies and temperatures that are of importance to an application. The user also has the ability to plot 2-port Scattering Parameters, Impedance, Q Factor or Equivalent Capacitance over any frequency span from 1 MHz to 40 GHz while maintaining the ability

to adjust the temperature and note how it may affect the performance. CapCad™ also includes a Smith Chart utility and the ability to copy the S-Parameter data in touchtone format(s2p).

The data presented by CapCad™ is based off of calculated models and is a representation of typical performance. It should not be construed as a specification or guarantee of performance. Actual performance may vary slightly from application to application. For more info or support please feel free to contact us by phone at (315) 655-8710, or by email at sales@dilabs.com .

### Multilayer Capacitors (DC Blocks)

Part Number: **C04 BL 121 X - 5 S N - S**



Size = 04  
 W =  $0.051 \pm 0.006$   
 L =  $0.040 \pm 0.008$   
 T = 0.000 Max  
 ● in. ○ mm

Material = BL  
 Class/TC = 1/±15%  
 Cap (pF) = 120  
 Voltage = 50  
 Tolerance = X: GMV  
 Termination = S: Standing Axial Beam Lead  
 Leading = N: None  
 Test Code = S: Special

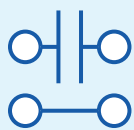
#### Functional Applications

Broadband Fiber Optic Links, LAN's, Broadband and RF/Microwave Modules, Broadband High Isolation Decoupling, Broadband Instrumentation and Test Equipment

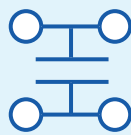
#### Benefits

Resonance Free DC Blocking from 1 MHz to 20 GHz, Surface Mountable 0805 Case Size for Edge Mounting on 25mil Microstrip

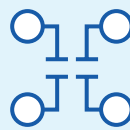
#### Graphing Links



Series



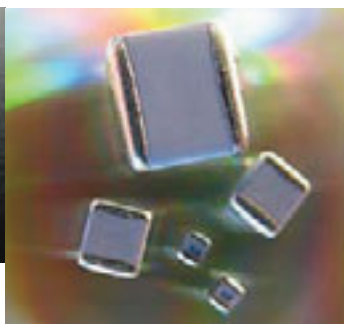
Shunt



T-Line



**AH Series:**  
P90 Porcelain Capacitors



**CF Series:**  
Ultrastable Porcelain Capacitors



**NA Series:**  
N30 Porcelain Capacitors



**C04/C06/C08**  
Broadband Blocks