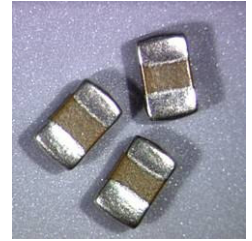




C04 / C06 / C08

Broadband DC Blocks

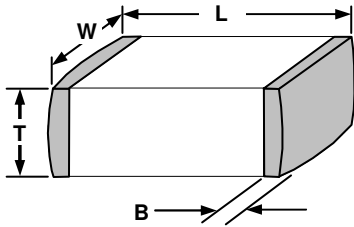
Low loss resonance free performance



FUNCTIONAL APPLICATIONS:

Fiber Optic Links, High Isolation Decoupling, LAN's, VCO Frequency Stabilization, Diplexers, RF/Microwave Modules, Instruments and Test Equipment.

Mechanical Specification



BENEFITS:

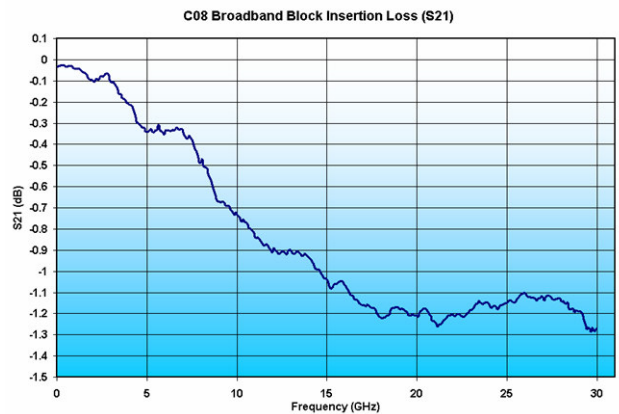
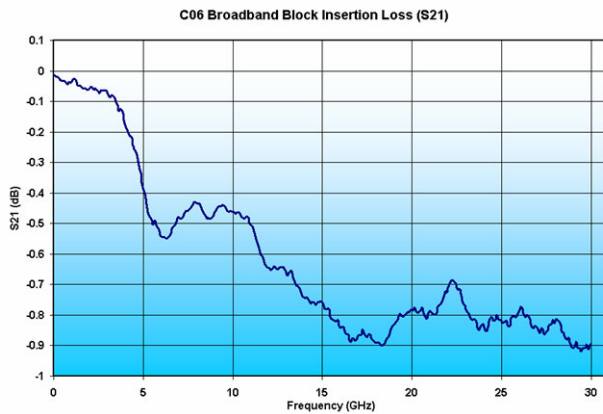
Resonance free DC Blocking / Decoupling.
Less than 0.25 db loss @ 4 GHz (typical).
Surface mountable.

Product Code	Body Dimensions			Band Dimensions
	Length (L)	Width (W)	Thickness (T)	Band (B)
C04 BL	.040" $\pm$.004" (1.02 $\pm$ 0.1)	.020" $\pm$.004" (.51 $\pm$ 0.1)	.024" (0.61) Max.	.008" $\pm$.004" (.02 $\pm$.01)
C06 BL	.060" $\pm$.006" (1.52 $\pm$.152)	.030" $\pm$.006" (.762 $\pm$.152)	.030" (.762) Max.	.010" + .010" / - .005" (.254 + .254 / - .127)
C08 BL	.080" $\pm$.008" (2.03 $\pm$.203)	.050" $\pm$.008" (1.27 $\pm$.203)	.030" (.762) Max.	.035" $\pm$.004" (.889 $\pm$.102)

Part Characteristics

Part Number	Capacitance Guaranteed Minimum Value	Voltage Rating	Temperature Coefficient -55°C to 125°C	Maximum Dissipation Factor	Insulation Resistance (M Ω Minimum)	Aging Rate	Frequency Range	Metallization
C04BLBB2X5_ UX / ZX / SX 0402 case size	120pF @ 1KHz, .2Vrms	50 V dc	$\pm$ 15%	3.0% @ 1KHz, .2Vrms	10 ⁴	$\leq$ 1.5% decade hours	5MHz – 30GHz	"U"=Ni barrier w / solder plate
C06BLBB2X5_ UX / ZX / SX 0603 case size	850pF @ 1KHz, .2Vrms						2MHz – 30GHz	"S"=Ni barrier w / gold flash RoHS compliant
C08BLBB1X5_ UX / ZX / SX 0805 case size	2400pF @ 1KHz, .2Vrms						1MHz – 20GHz	"Z"= Ni/Sn RoHS compliant

Performance



Dielectric Laboratories Inc.

2777 Route 20 East, Cazenovia, NY 13035-9433
Phone: 315-655-8710 Facsimile: 315-655-0445

e-mail: sales@dilabs.com web: <http://www.dilabs.com>

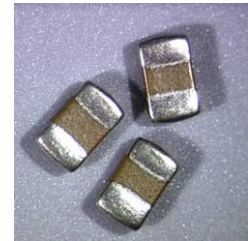
QUALITY SYSTEM ISO 9001:1994 CERTIFIED ENVIRONMENTAL SYSTEM ISO 14001:1996 CERTIFIED



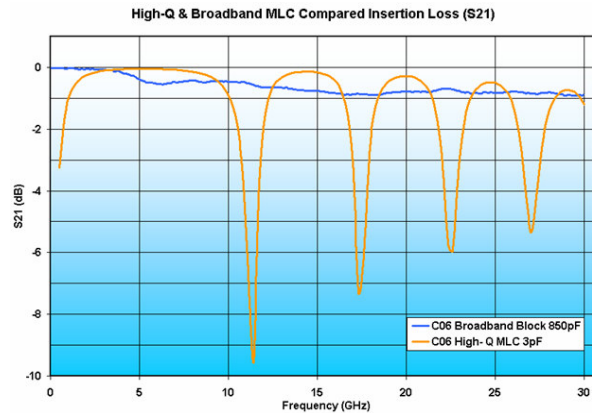
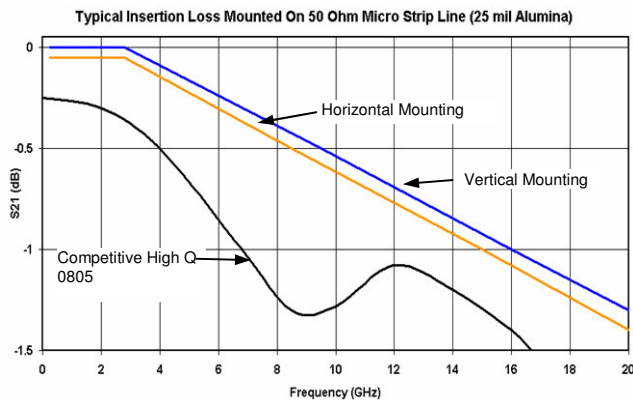
C04 / C06 / C08

Broadband DC Blocks

Low loss resonance free performance



Performance



Dielectric Laboratories Inc.

2777 Route 20 East, Cazenovia, NY 13035-9477

Phone: 315-655-8710 Facsimile: 315-655-8179

e-mail: sales@dilabs.com

web: <http://www.dilabs.com>

QUALITY SYSTEM ISO 9001 CERTIFIED/ENVIRONMENTAL SYSTEM ISO 14001 CERTIFIED

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<u>C08BL242X-5UN-X0B</u>	<u>C08BL242X-5SN-X0T</u>	<u>C06BL851X-5UN-X0T</u>	<u>C08BL242X-5ZN-X0T</u>	<u>C06BL851X-5ZN-X0T</u>
<u>C04BL121X-5ZN-X0T</u>	<u>C04BL121X-5SN-X0T</u>	<u>C06BL851X-1SN-X0T</u>	<u>C08BL242X-1UN-X0T</u>	<u>C08BL242X-1ZN-X0T</u>
<u>C08BL242X-1SN-X0T</u>	<u>C06BL851X-1ZN-X0T</u>	<u>C06BL851X-1UN-X0T</u>	<u>C08BL102X1-SN-X0T</u>	<u>C08BL102X5-ZN-X0T</u>
<u>C08BL102X5-SN-X0T</u>	<u>C08BL102X1-UN-X0T</u>	<u>C08BL102X-1ZN-X0T</u>	<u>C08BL102X-1SN-X0T</u>	<u>C08BL102X-1UN-X0T</u>