



**THE DATASHEET OF
C18BL103X-4UN-X0T**



Broadband Blocks - C04/C06/C08

Description

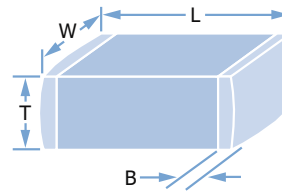
- Resonance free DC Blocking / Decoupling
- Less than 0.25 db loss @ 4 GHz (typical)
- Surface mountable

Functional Applications

- Fiber Optic Links • High Isolation Decoupling
- LAN's, VCO Frequency Stabilization • Diplexers
- RF/Microwave Modules • Instruments • Test Equipments

Mechanical Specification

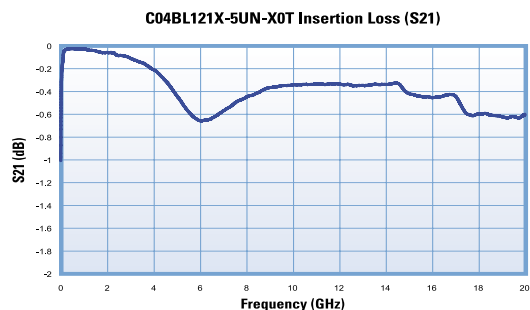
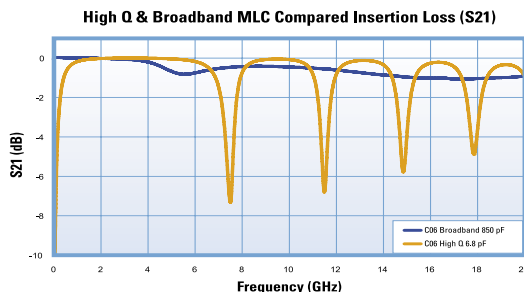
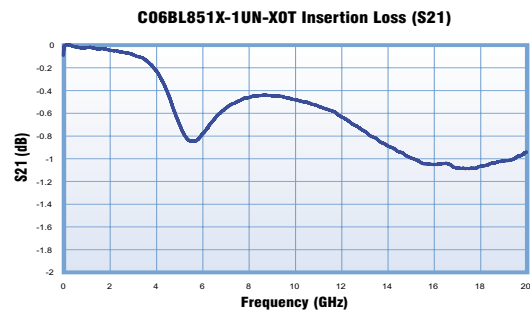
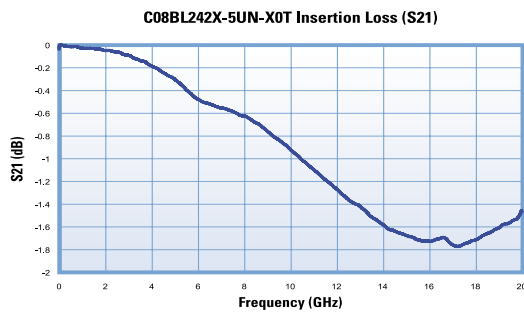
Product Code	Body Dimensions			Band Dimensions (B)	
	Length (L)	Width (W)	Thickness (T)	Min	Max
C04BL	0.040" ± 0.008"	0.020" ± 0.006"	0.028" Max	0.003"	0.019"
C06 BL	0.060" ± 0.012"	0.031" ± 0.009"	0.036" Max	0.006"	0.03"
C08 BL	0.081" ± 0.020"	0.051" ± 0.013"	0.061" Max	0.012"	0.0468"
C18BL	0.1200" ± 0.925"	0.1100" ± 0.010"	0.100" Max	0.008"	0.045"



Part Characteristics

Part Number	Capacitance Guaranteed Minimum Value	Voltage Rating	Temperature Coefficient -55°C to 125°C	Maximum Dissipation Factor	Insulation Resistance (MΩ Minimum)	Aging Rate	Frequency Range	Termination
C04BL121X-5UN-X0T	120pF @ 1KHz, .2Vrms	50 Vdc	± 15%	3.0% @ 1KHz, .2Vrms	10 ⁴	<=1.5%/decade hours	10MHz – 40GHz	"U" & "S"
C06BL851X-1UN-X0T	850pF @ 1KHz, .2Vrms	100 Vdc 50 Vdc					2MHz – 30GHz	"U", "S" & "Z"
C08BL242X-5UN-X0T	2400pF @ 1KHz, .2Vrms	50 Vdc					1MHz – 20GHz	"U", "S" & "Z"
C08BL102X-1UN-X0T	1000pF @ 1KHz, .2Vrms	100 Vdc					1MHz – 20GHz	"U", "S" & "Z"
C18BL103X-4GN-X0T	10,000pF @ 1KHz, .2Vrms	500 Vdc					1MHz – 6GHz	"U", "S" & "Z"

Performance



The information above represents typical device performance.

www.knowlescapacitors.com

Should be ordered as DLI parts.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View C18BL103X-4UN-X0T on WIN SOURCE](#)
- [Knowles Dielectric Labs Information](#)

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- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management