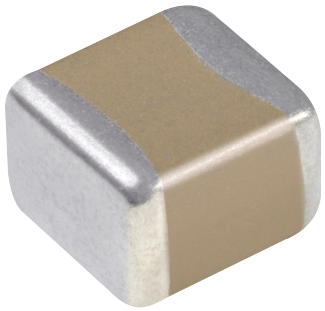
MLC — Broadband Blocks

DESCRIPTION

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

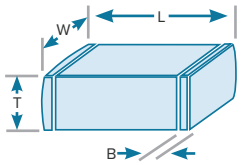


FUNCTIONAL APPLICATIONS

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

MECHANICAL SPECIFICATIONS

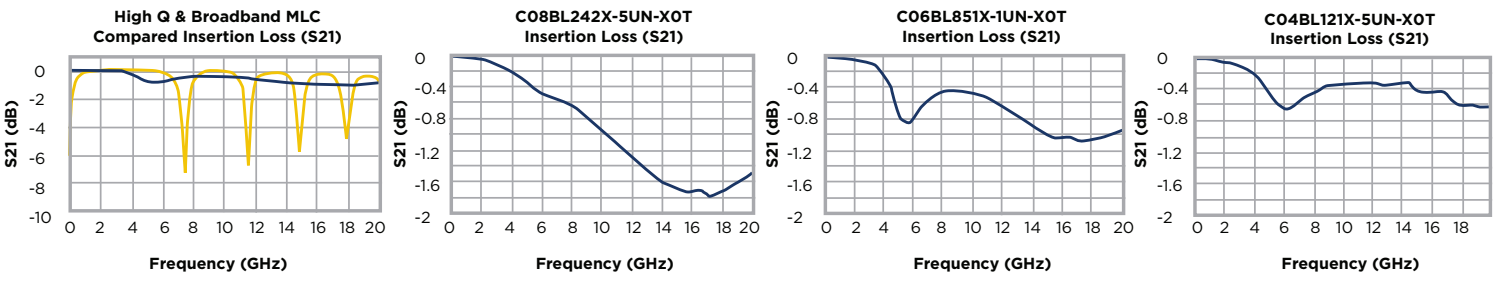
Product Code	Body Dimensions Lenths (L)	Width (W)	Thickness (T)	Band Dimensions Min	Max
C04BL	0.040" ± 0.008"	0.020" ± 0.006"	0.028" Max	0.003"	0.019"
C06BL	0.060" ± 0.012"	0.031" ± 0.009"	0.036" Max	0.006"	0.03"
C08BL	0.081" ± 0.020"	0.051" ± 0.013"	0.061" Max	0.012"	0.0468"
C18BL	0.1200" ± 0.925"	0.1100" ± 0.010"	0.100" Max	0.008"	0.045"



PART CHARACTERISTICS

Part Number	Capacitance Guaranteed Min 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-4UN-X0T	10,000pF @ 1KHz,.2Vrms	500 Vdc					1MHz – 6GHz "	"U", "S" & "Z"

PERFORMANCE



The information above represents typical device performance.