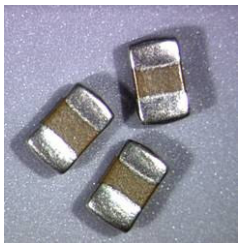
C04 / C06 / C08
Broadband DC Blocks

Low loss resonance free performance



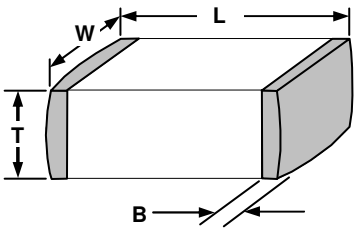
FUNCTIONAL APPLICATIONS:

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

BENEFITS:

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

Mechanical Specification

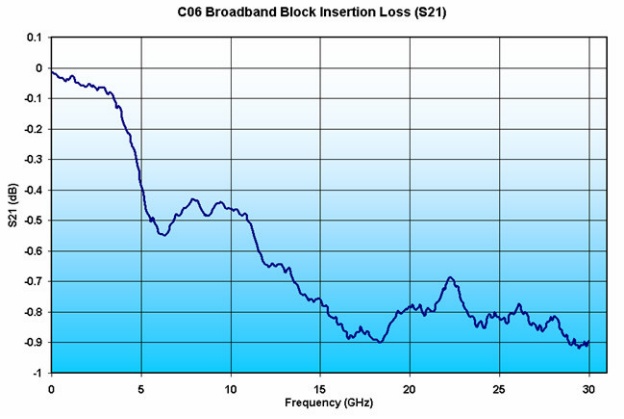


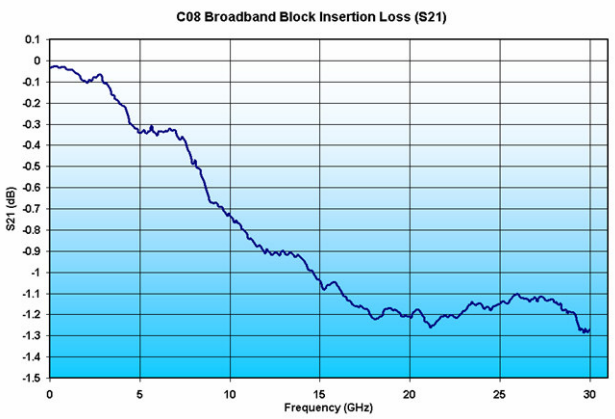
Product Code	Body Dimensions			Band Dimensions
	Length (L)	Width (W)	Thickness (T)	Band (B)
C04 BL	.040" ± .004" (1.02 ± 0.1)	.020" ± .004" (.51 ± 0.1)	.024" (0.61) Max.	.008" ± .004" (.0.2 ± .01)
C06 BL	.060" ± .006" (1.52 ± .152)	.030" ± .006" (.762 ± .152)	.030" (.762) Max.	.010" + .010"/ - .005" (.254 + .254/ - .127)
C08 BL	.080" ± .008" (2.03 ± .203)	.050" ± .008" (1.27 ± .203)	.030" (.762) Max.	.035" ± .004" (.889 ± .102)

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	Metallization
C04BLBB2X5_ UX / ZX / SX 0402 case size	120pF @ 1KHz, .2Vrms	50 V dc	± 15%	3.0%@ 1KHz, .2Vrms	10^4	≤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





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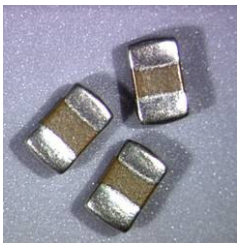
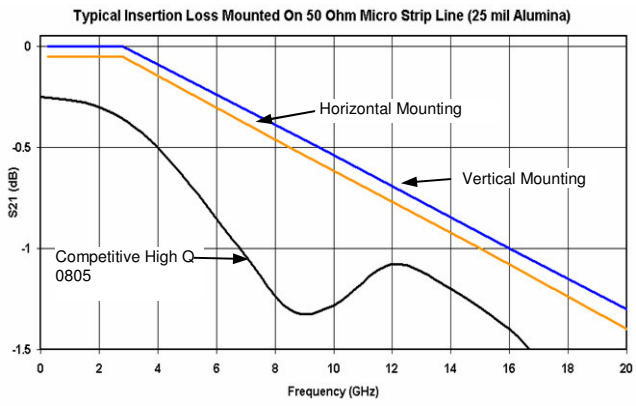
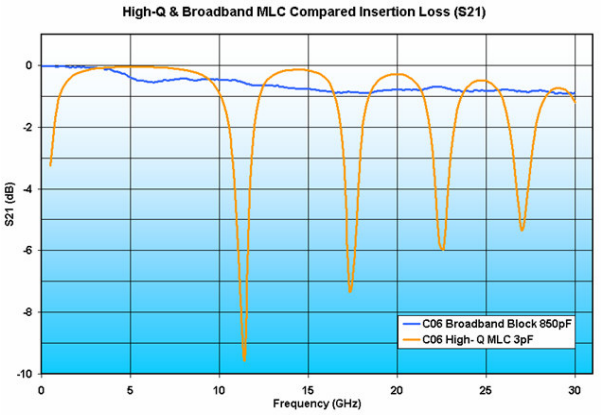


Performance





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