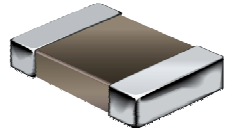


MATERIAL DATA SHEET



Material	CF322513 Series	
Product Line	Multilayer Chip Bead	
Date	04-December-2004	

NO.	Construction element	Material group	Material Weight (g)	Materials	CAS If applicable	Average mass (%)	Sum (%)	Traces
1	Core	Ferrite	0.0429	Fe ₂ O ₃	-----	Business Confidential	100	
				Copper Oxide	-----			
				Nickel Oxide	-----			
				Zinc Oxide	01314-13-2			
				Lead Oxide	1317-36-8			
2	Pad	Terminal Electrode	0.0016	Ag	7440-22-4	67	100	
				Ni	7440-02-0	33		
3	Solder plate	Solder plate	0.0015	Sn	7440-31-5		100	
4	Circuit	Silver	0.0040	Ag	7440-22-4		100	
			Total weight	0.0505				