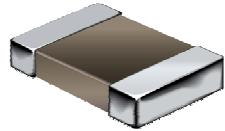


MATERIAL DATA SHEET



Material	CF453215 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	0.0918	Fe2O3	-----	Business Confidential	100	
				Copper Oxide	-----			
				Nickel Oxide	-----			
				Zinc Oxide	01314-13-2			
				Lead Oxide	1317-36-8			
2	Pad	Terminal Electrode	0.003	Ag	7440-22-4	67	100	
				Ni	7440-02-0	33		
3	Solder plate	Solder plate	0.0022	Sn	7440-31-5		100	
4	Circuit	Silver	0.0086	Ag	7440-22-4		100	
		Total weight	0.108					