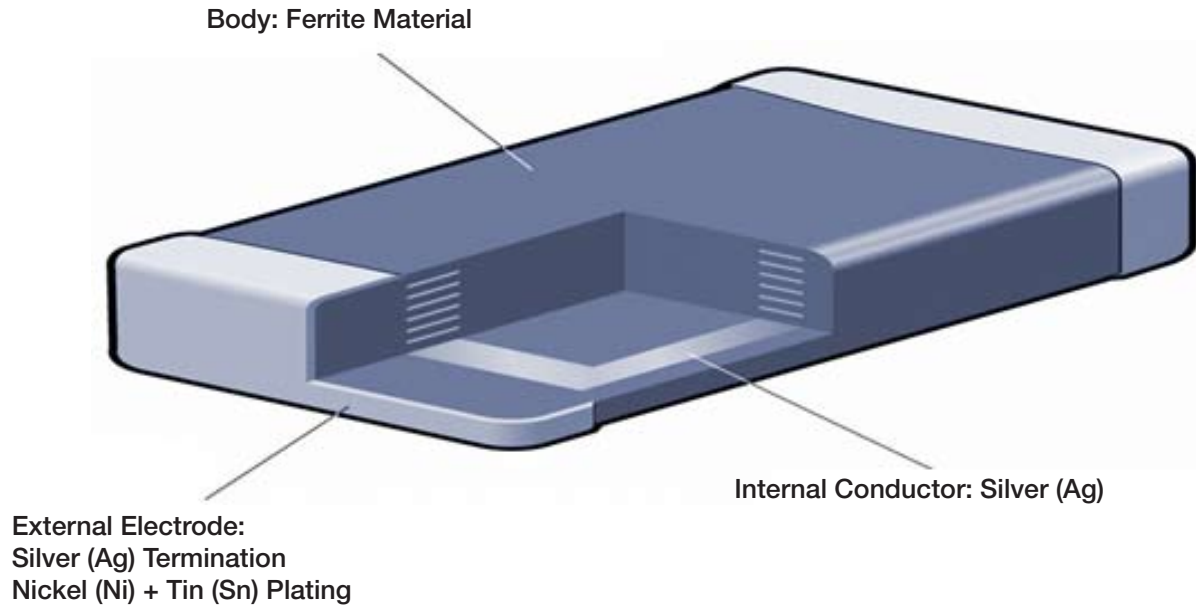


0402 Ferrite Beads Material Composition

(Series FBS/FBM/FBC-L & FBC-H)

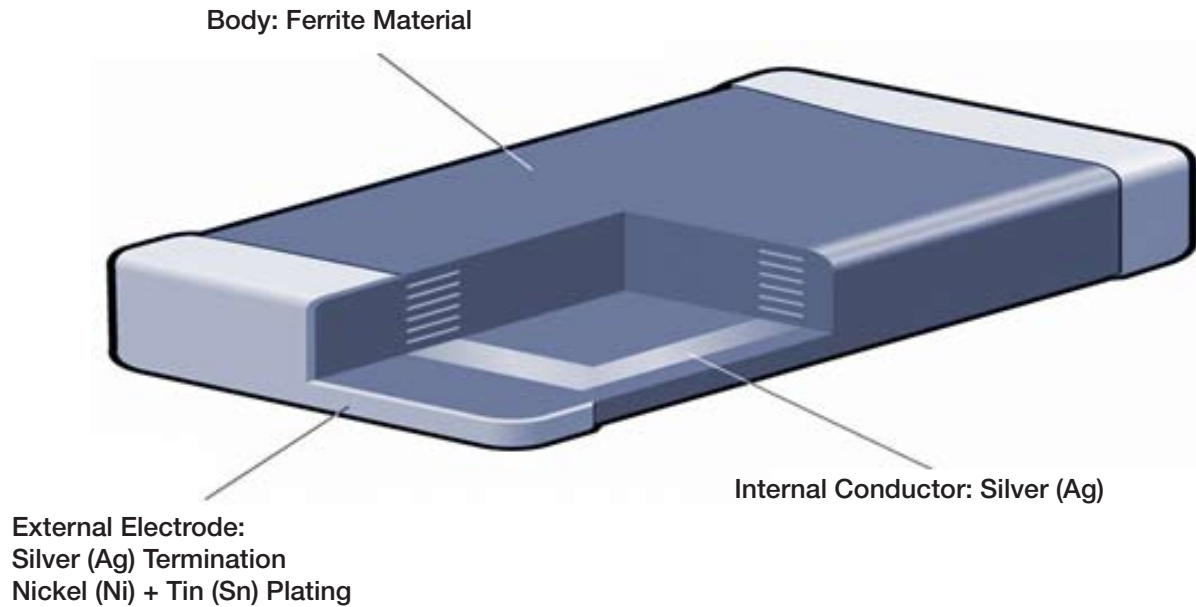


*The color of the Ferrite Bead shown is different from actual product.

PART	Material Name	Substance	CAS No.	Mass (mg)	Wt. %
BODY	Ferrite	Iron Oxide (Fe ₂ O ₃)	1309-37-1	1.085	73.000%
	Ferrite	Nickel Oxide (NiO)	1319-99-1		
	Ferrite	Zinc Oxide (ZnO)	1324-14-2		
	Ferrite	Copper Oxide (CuO)	1317-38-0		
	Glass	Bismuth Oxide (Bi ₂ O ₃)	1317-36-8		
	Glass	Silicon Oxide (SiO ₂)	14808-60-7		
	Glass	Cobalt Oxide (Co ₃ O ₄)	1308-06-1		
INNER ELECTRODE	Silver	Silver (Ag)	7440-22-4	0.222	14.900%
TERMINAL CONDUCTOR	Silver	Silver (Ag)	7440-22-4	0.144	9.600%
	Glass	Silicon Oxide (SiO ₂)	14808-60-7		
	Glass	Boron Oxide (B ₂ O ₃)	1303-86-2		
	Glass	Copper Oxide (CuO)	1317-38-0		
PLATING	Barrier layer	Nickel (Ni)	7440-02-0	0.010	1.007%
	Solder plating	Tin (Sn)	7440-31-5	0.017	1.460%
TOTAL				1.477	100.0%

0603 Ferrite Beads Material Composition

(Series FBS/FBM/FBC-L & FBC-H)

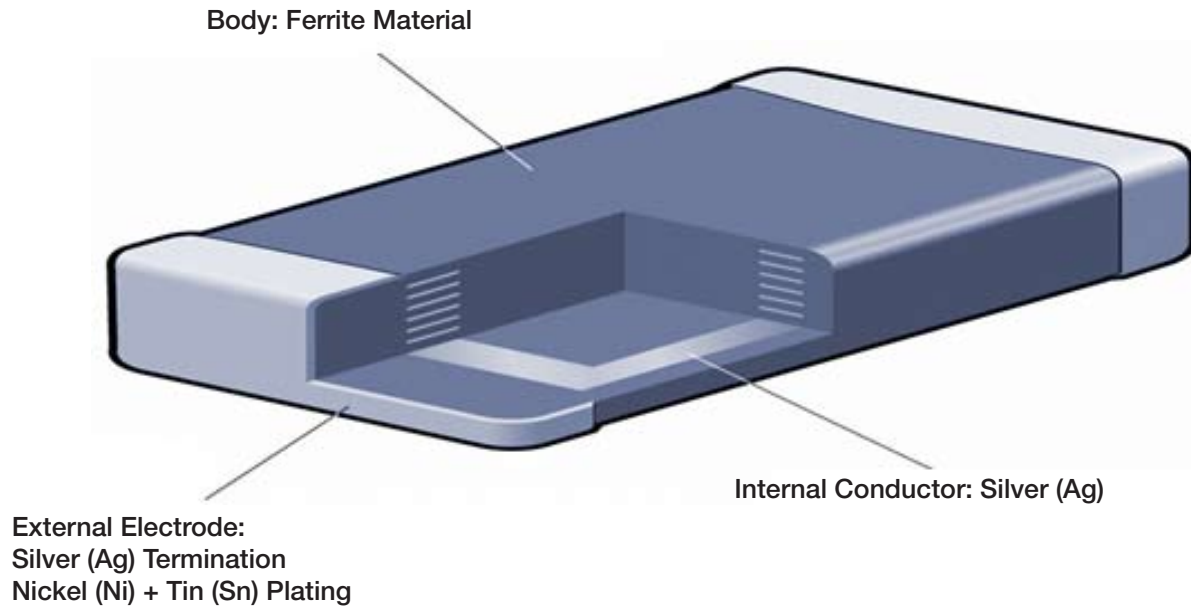


*The color of the Ferrite Bead shown is different from actual product.

PART	Material Name	Substance	CAS No.	Mass (mg)	Wt. %
BODY	Ferrite	Iron Oxide (Fe ₂ O ₃)	1309-37-1	4.634	83.835%
	Ferrite	Nickel Oxide (NiO)	1319-99-1		
	Ferrite	Zinc Oxide (ZnO)	1324-14-2		
	Ferrite	Copper Oxide (CuO)	1317-38-0		
	Glass	Bismuth Oxide (Bi ₂ O ₃)	1317-36-8		
	Glass	Silicon Oxide (SiO ₂)	14808-60-7		
	Glass	Cobalt Oxide (Co ₃ O ₄)	1308-06-1		
INNER ELECTRODE	Silver	Silver (Ag)	7440-22-4	0.267	4.831%
TERMINAL CONDUCTOR	Silver	Silver (Ag)	7440-22-4	0.472	8.536%
	Glass	Silicon Oxide (SiO ₂)	14808-60-7		
	Glass	Boron Oxide (B ₂ O ₃)	1303-86-2		
	Glass	Copper Oxide (CuO)	1317-38-0		
PLATING	Barrier layer	Nickel (Ni)	7440-02-0	0.046	0.832%
	Solder plating	Tin (Sn)	7440-31-5	0.109	1.967%
TOTAL				5.527	100.0%

0805 Ferrite Beads Material Composition

(Series FBS/FBM/FBC-L & FBC-H)

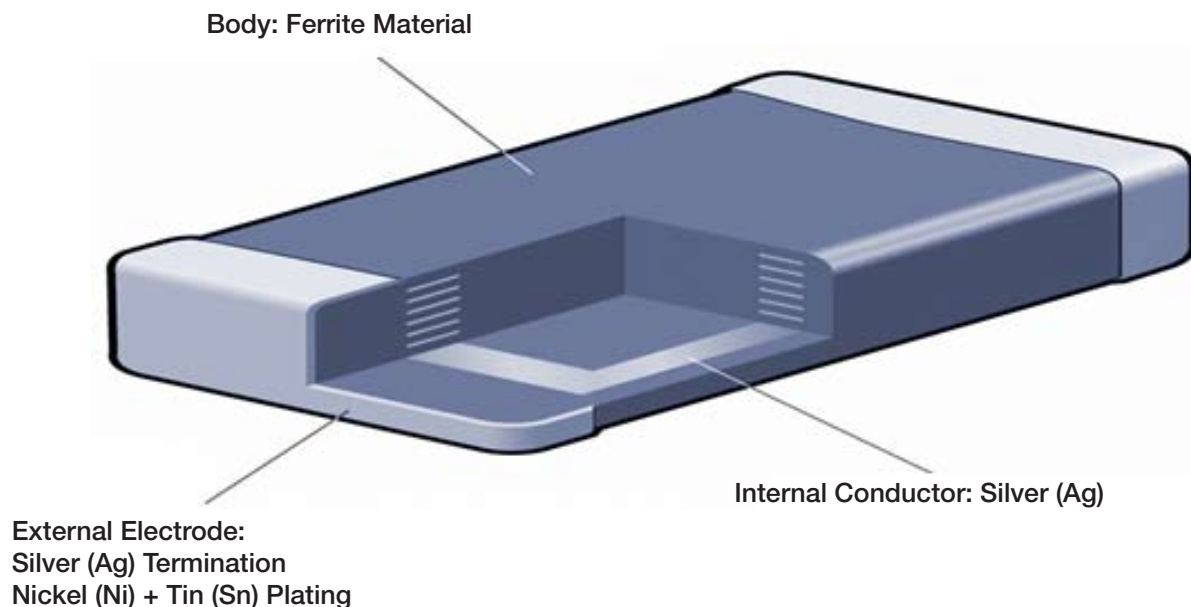


*The color of the Ferrite Bead shown is different from actual product.

PART	Material Name	Substance	CAS No.	Mass (mg)	Wt. %
BODY	Ferrite	Iron Oxide (Fe ₂ O ₃)	1309-37-1	9.821	84.817%
	Ferrite	Nickel Oxide (NiO)	1319-99-1		
	Ferrite	Zinc Oxide (ZnO)	1324-14-2		
	Ferrite	Copper Oxide (CuO)	1317-38-0		
	Glass	Bismuth Oxide (Bi ₂ O ₃)	1317-36-8		
	Glass	Silicon Oxide (SiO ₂)	14808-60-7		
	Glass	Cobalt Oxide (Co ₃ O ₄)	1308-06-1		
INNER ELECTRODE	Silver	Silver (Ag)	7440-22-4	1.074	9.275%
TERMINAL CONDUCTOR	Silver	Silver (Ag)	7440-22-4	0.533	4.603%
	Glass	Silicon Oxide (SiO ₂)	14808-60-7		
	Glass	Boron Oxide (B ₂ O ₃)	1303-86-2		
	Glass	Copper Oxide (CuO)	1317-38-0		
PLATING	Barrier layer	Nickel (Ni)	7440-02-0	0.057	0.492%
	Solder plating	Tin (Sn)	7440-31-5	0.094	0.812%
TOTAL				11.579	100.0%

1206 Ferrite Beads Material Composition

(Series FBS/FBM/FBC-L & FBC-H)

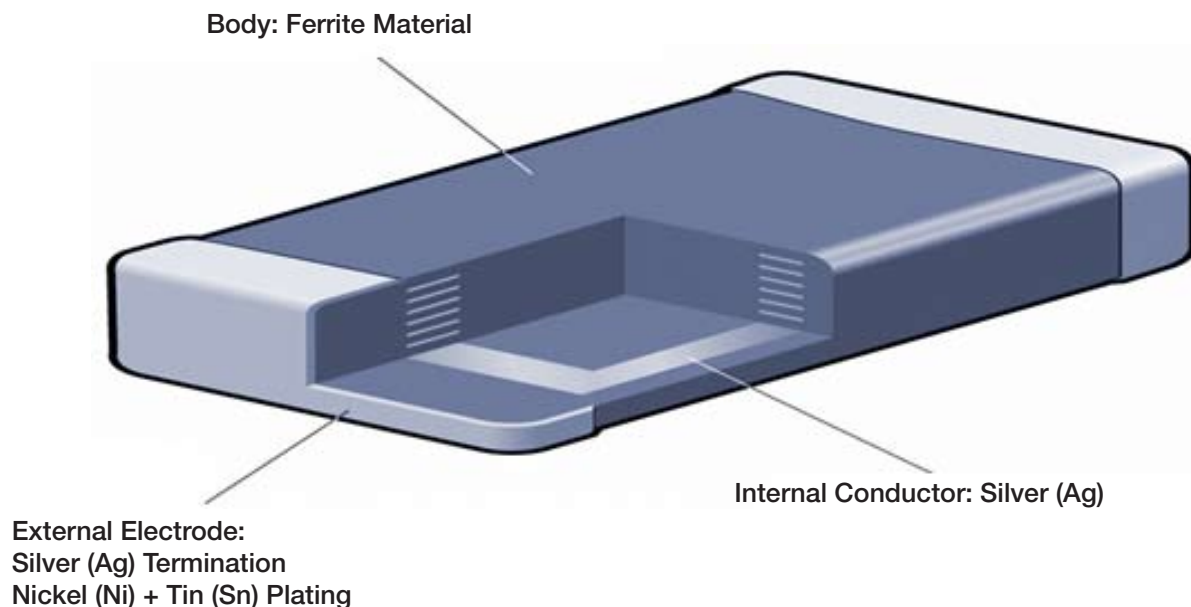


*The color of the Ferrite Bead shown is different from actual product.

PART	Material Name	Substance	CAS No.	Mass (mg)	Wt. %
BODY	Ferrite	Iron Oxide (Fe ₂ O ₃)	1309-37-1	9.821	86.020%
	Ferrite	Nickel Oxide (NiO)	1319-99-1		
	Ferrite	Zinc Oxide (ZnO)	1324-14-2		
	Ferrite	Copper Oxide (CuO)	1317-38-0		
	Glass	Bismuth Oxide (Bi ₂ O ₃)	1317-36-8		
	Glass	Silicon Oxide (SiO ₂)	14808-60-7		
	Glass	Cobalt Oxide (Co ₃ O ₄)	1308-06-1		
INNER ELECTRODE	Silver	Silver (Ag)	7440-22-4	1.074	10.170%
TERMINAL CONDUCTOR	Silver	Silver (Ag)	7440-22-4	0.533	2.840%
	Glass	Silicon Oxide (SiO ₂)	14808-60-7		
	Glass	Boron Oxide (B ₂ O ₃)	1303-86-2		
	Glass	Copper Oxide (CuO)	1317-38-0		
PLATING	Barrier layer	Nickel (Ni)	7440-02-0	0.057	0.492%
	Solder plating	Tin (Sn)	7440-31-5	0.094	0.812%
TOTAL				11.579	100%

1806 Ferrite Beads Material Composition

(Series FBS/FBM/FBC-L & FBC-H)

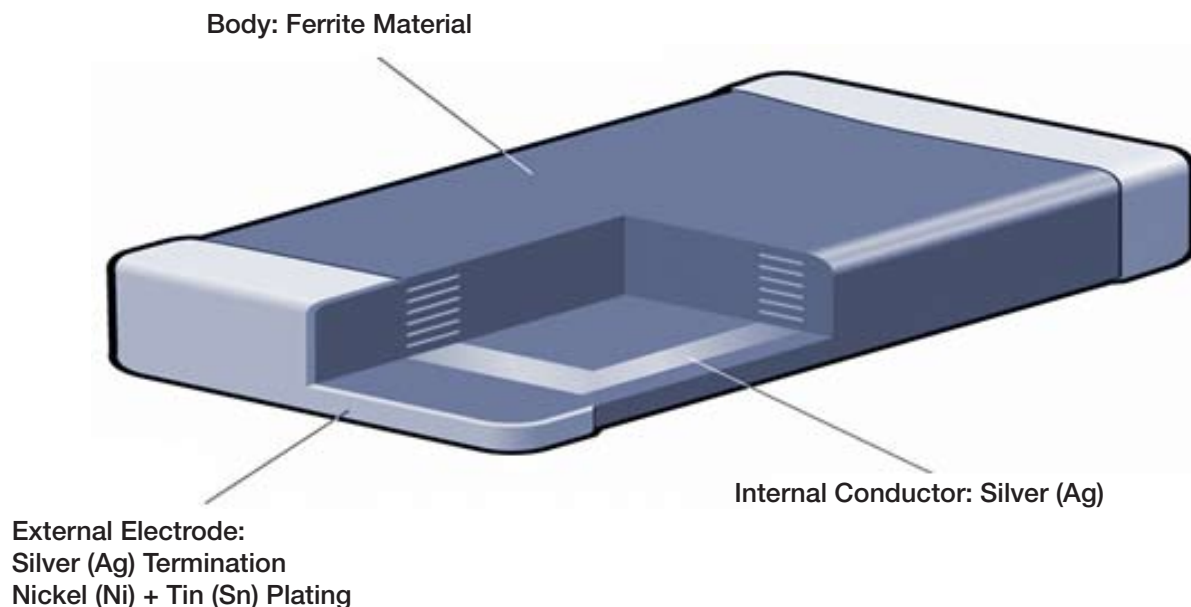


*The color of the Ferrite Bead shown is different from actual product.

PART	Material Name	Substance	CAS No.	Mass (mg)	Wt. %
BODY	Ferrite	Iron Oxide (Fe ₂ O ₃)	1309-37-1	27.841	87.101%
	Ferrite	Nickel Oxide (NiO)	1319-99-1		
	Ferrite	Zinc Oxide (ZnO)	1324-14-2		
	Ferrite	Copper Oxide (CuO)	1317-38-0		
	Glass	Bismuth Oxide (Bi ₂ O ₃)	1317-36-8		
	Glass	Silicon Oxide (SiO ₂)	14808-60-7		
	Glass	Cobalt Oxide (Co ₃ O ₄)	1308-06-1		
INNER ELECTRODE	Silver	Silver (Ag)	7440-22-4	3.287	10.283%
TERMINAL CONDUCTOR	Silver	Silver (Ag)	7440-22-4	0.652	2.040%
	Glass	Silicon Oxide (SiO ₂)	14808-60-7		
	Glass	Boron Oxide (B ₂ O ₃)	1303-86-2		
	Glass	Copper Oxide (CuO)	1317-38-0		
PLATING	Barrier layer	Nickel (Ni)	7440-02-0	0.070	0.219%
	Solder plating	Tin (Sn)	7440-31-5	0.114	0.357%
TOTAL				31.964	100.0%

1812 Ferrite Beads Material Composition

(Series FBS/FBM/FBC-L & FBC-H)



*The color of the Ferrite Bead shown is different from actual product.

PART	Material Name	Substance	CAS No.	Mass (mg)	Wt. %
BODY	Ferrite	Iron Oxide (Fe ₂ O ₃)	1309-37-1	56.396	87.244%
	Ferrite	Nickel Oxide (NiO)	1319-99-1		
	Ferrite	Zinc Oxide (ZnO)	1324-14-2		
	Ferrite	Copper Oxide (CuO)	1317-38-0		
	Glass	Bismuth Oxide (Bi ₂ O ₃)	1317-36-8		
	Glass	Silicon Oxide (SiO ₂)	14808-60-7		
	Glass	Cobalt Oxide (Co ₃ O ₄)	1308-06-1		
INNER ELECTRODE	Silver	Silver (Ag)	7440-22-4	6.659	10.301%
TERMINAL CONDUCTOR	Silver	Silver (Ag)	7440-22-4	1.238	1.915%
	Glass	Silicon Oxide (SiO ₂)	14808-60-7		
	Glass	Boron Oxide (B ₂ O ₃)	1303-86-2		
	Glass	Copper Oxide (CuO)	1317-38-0		
PLATING	Barrier layer	Nickel (Ni)	7440-02-0	0.132	0.204%
	Solder plating	Tin (Sn)	7440-31-5	0.217	0.336%
TOTAL				64.642	100.0%