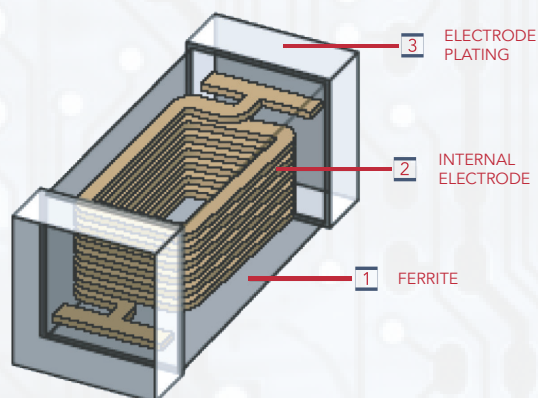


MATERIAL DECLARATION

PRODUCT IDENTIFICATION

- PRODUCT NAME Multi Layer Inductor
- SERIES GLF
- DIELECTRIC 1608 (0603)
- WEIGHT 0.00620 mg
- MANUFACTURE NAME Cal-Chip Electronics Inc.
- ADDRESS 59 Steamwhistle Drive, Ivyland, PA 18974

GENERAL COMPOSITION



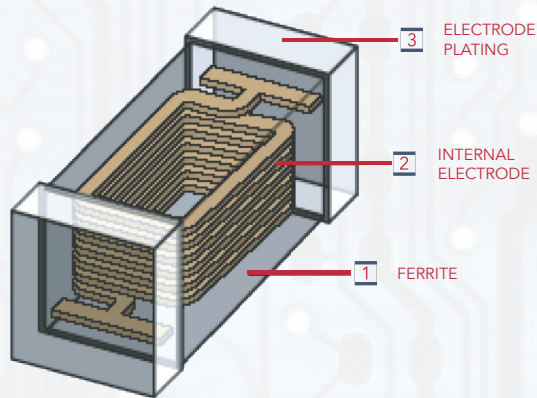
COMPOSITION OF PARTS		COMPOSITION OF MATERIALS				TYPICAL WEIGHT			P/N
BREAKDOWN OF PART	MATERIAL NAME	SAMPLE DESCRIPTION	CHEMICAL SYMBOL	CAS NO.	%	WEIGHT (MG)	SUBSTANCE MASS (MG)	PERCENTAGE (%)	SUBSTANCE PERCENTAGE
Conductor	Silver	7454B	Ag	7440-22-4	90.00	0.46	0.414	7.42	6.678
			Resins	trade secret	2.00		0.009		0.148
			Additives	trade secret	2.00		0.009		0.148
			Diethylene glycol monobutyl	112-34-5	4.00		0.018		0.297
			Terpineol	8000-41-7	2.00		0.009		0.148
Ferrite Core	Ferrite Powder	KNI Series	Fe2O3	1309-37-1	66.00	5.47	3.610	88.21	58.219
			NiO	1313-99-1	17.00		0.930		14.996
			ZnO	1314-13-2	15.00		0.820		13.232
			CuO	1317-38-0	2.00		0.109		1.764
End Termination Ni	S-Rounds Electrolytic Nickel	Nickel	Ni	7440-02-0	100	0.08	0.079	1.27	1.270
End Termination Sn	Tin	H99.99S	Sn	7440-31-5	100	0.19	0.192	3.10	3.100
TOTAL									0.00620

MATERIAL DECLARATION

PRODUCT IDENTIFICATION

- PRODUCT NAME Multi Layer Inductor
 - SERIES GLF
 - SIZE 2125 (0805)
 - DIELECTRIC 0.01000 mg
 - WEIGHT Cal-Chip Electronics Inc.
 - MANUFACTURE NAME 59 Steamwhistle Drive, Ivyland, PA 18974
 - ADDRESS

GENERAL COMPOSITION



COMPOSITION OF PARTS		COMPOSITION OF MATERIALS				TYPICAL WEIGHT			P/N
BREAKDOWN OF PART	MATERIAL NAME	SAMPLE DESCRIPTION	CHEMICAL SYMBOL	CAS NO.	%	WEIGHT (MG)	SUBSTANCE MASS (MG)	PERCENTAGE (%)	SUBSTANCE PERCENTAGE
Conductor	Silver	7454B	Ag	7440-22-4	90.00	1.25	1.128	12.53	11.277
			Resins	trade secret	2.00		0.025		0.251
			Additives	trade secret	2.00		0.025		0.251
			Diethylene glycol monobutyl	112-34-5	4.00		0.050		0.501
			Terpineol	8000-41-7	2.00		0.025		0.251
Ferrite Core	Ferrite Powder	KNI Series	Fe2O3	1309-37-1	66.00	8.23	5.429	82.26	54.292
			NiO	1313-99-1	17.00		1.398		13.984
			ZnO	1314-13-2	15.00		1.234		12.339
			CuO	1317-38-0	2.00		0.167		1.645
End Termination Ni	S-Rounds Electrolytic Nickel	Nickel	Ni	7440-02-0	100	0.17	0.165	1.67	1.670
End Termination Sn	Tin	H99.99S	Sn	7440-31-5	100	0.35	0.354	3.54	3.540
TOTAL									0.01000

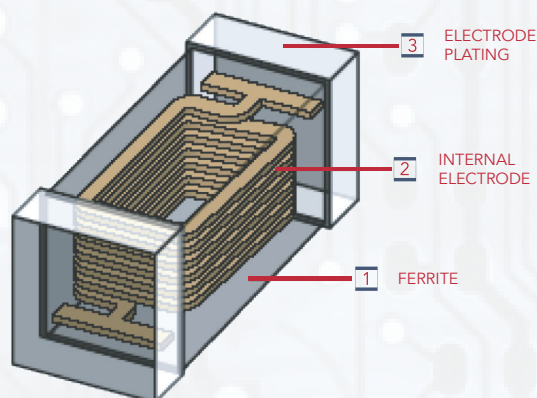


MATERIAL DECLARATION

PRODUCT IDENTIFICATION

- PRODUCT NAME Multi Layer Inductor
- SERIES GLF
- DIELECTRIC 3216 (1206)
- WEIGHT 0.03000 mg
- MANUFACTURE NAME Cal-Chip Electronics Inc.
- ADDRESS 59 Steamwhistle Drive, Ivyland, PA 18974

GENERAL COMPOSITION



COMPOSITION OF PARTS		COMPOSITION OF MATERIALS				TYPICAL WEIGHT			P/N
BREAKDOWN OF PART	MATERIAL NAME	SAMPLE DESCRIPTION	CHEMICAL SYMBOL	CAS NO.	%	WEIGHT (MG)	SUBSTANCE MASS (MG)	PERCENTAGE (%)	SUBSTANCE PERCENTAGE
Conductor	Silver	7454B	Ag	7440-22-4	90.00	2.74	2.468	9.14	8.226
			Resins	trade secret	2.00		0.055		0.183
			Additives	trade secret	2.00		0.055		0.183
			Diethylene glycol monobutyl	112-34-5	4.00		0.110		0.366
			Terpineol	8000-41-7	2.00		0.055		0.183
Ferrite Core	Ferrite Powder	KNI Series	Fe2O3	1309-37-1	66.00	26.42	17.434	88.05	58.113
			NiO	1313-99-1	17.00		4.491		14.969
			ZnO	1314-13-2	15.00		3.962		13.208
			CuO	1317-38-0	2.00		0.528		1.761
End Termination Ni	S-Rounds Electrolytic Nickel	Nickel	Ni	7440-02-0	100	0.19	0.186	0.62	0.620
End Termination Sn	Tin	H99.99S	Sn	7440-31-5	100	0.66	0.657	2.19	2.190
TOTAL									0.03000