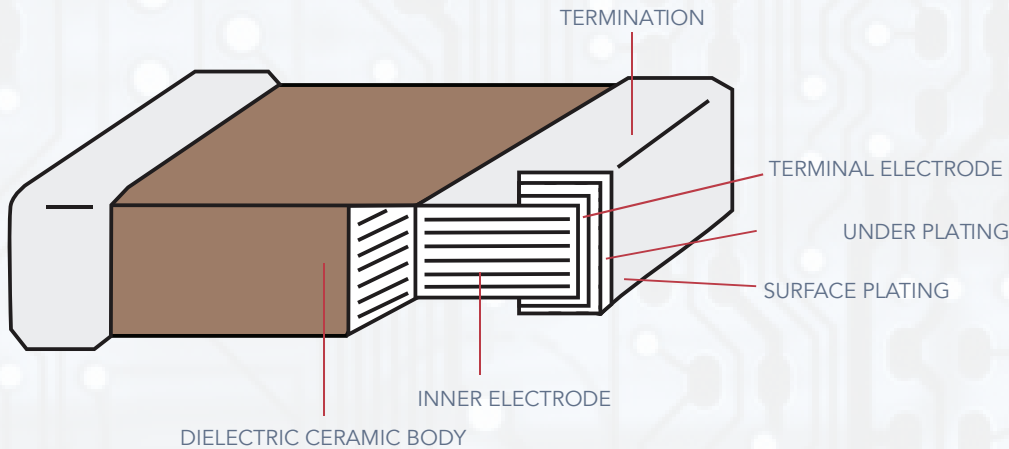


## PRODUCT IDENTIFICATION

- PRODUCT NAME                      Capacitor (MLCC)
- SERIES                                GMG04
- SIZE                                    0402
- DIELECTRIC                         NPO
- WEIGHT                                1.216mg
- MANUFACTURE NAME            Cal-Chip Electronics Inc.
- ADDRESS                              59 Steamwhistle Drive Ivyland, PA 18974

## GENERAL COMPOSITION



COMPOSITION OF PARTS		MATERIAL					CLASSIFICATION	EXEMPTION	TYPICAL WEIGHT		
MATERIAL NAME	TYPICAL WT% IN PRODUCT	SUBSTANCE NAME	TYPICAL WT% IN PRODUCT	SUBSTANCE NAME	TYPICAL WT% IN PRODUCT	CAS NO.	USE/PURPOSE OF MATERIAL		SUBSTANCE WEIGHT (mg)	MATERIAL WEIGHT (mg)	PRODUCT WEIGHT (mg)
Dielectric Ceramic Body	90.6	Strontium Oxide	13	SrO	11.7780	1314-11-0	Ceramic		0.1432	1.1017	1.216
		Calcium Oxide	15	CaO	13.5900	1305-78-8			0.1653		
		Zirconium Dioxide	50	ZrO <sub>2</sub>	45.3000	1314-23-4			0.5508		
		Titanium Dioxide	2	TiO <sub>2</sub>	1.8120	13463-67-7			0.022		
		Silica	15	SiO <sub>2</sub>	13.5900	14808-60-7			0.1653		
		Manganese Tetroxide	5	Mn <sub>3</sub> O <sub>4</sub>	4.5300	1317-35-7			0.0551		
Inner Electrode	3	Nickel	80	Ni	2.4000	7440-02-0	Ni Paste		0.0292	0.0365	
		Barium Titanate	20	BaTiO <sub>3</sub>	0.6000	12047-27-7			0.0073		
Terminal Electrode	6	Copper	88	Cu	5.2800	7440-50-8	Cu Paste		0.0642	0.073	
		Lead Free Glass	12	Lead Free Glass Frit	0.7200	65997-18-4			0.0088		
Under Plating	0.2	Nickel	100	Ni	0.2000	7440-02-0	Ni Plating		0.0024	0.0024	
Surface Plating	0.2	Tin	100	Sn	0.2000	7440-31-5	Sn Plating		0.0024	0.0024	