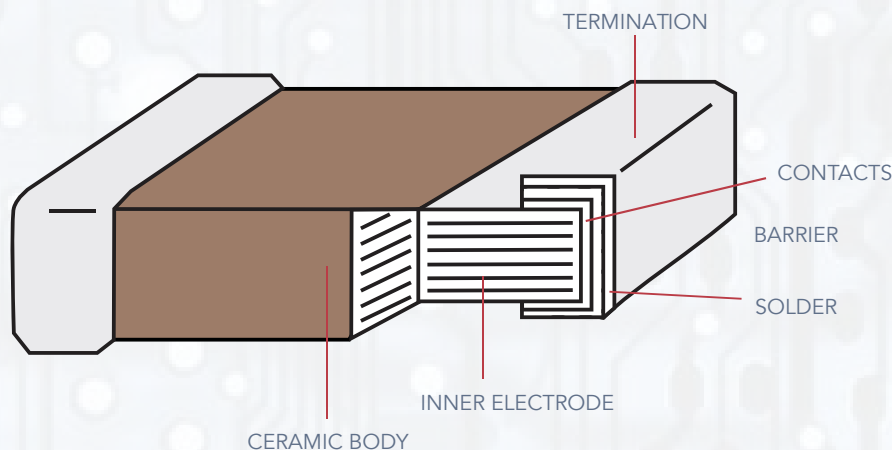


PRODUCTION IDENTIFICATION

- PRODUCT NAME	Capacitor (MLCC)
- SERIES	GMC04
- SIZE	0402
- DIALECTRIC	C0G
- WEIGHT	1.32 (max)
- MANUFACTURE NAME	Cal-Chip Electronics Inc.
- ADDRESS	59 Steamwhistle Drive, Ivyland, PA 18974
- RESPONSIBLE PERSON NAME	Frank Salamone
- TELEPHONE	215.942.8900

GENERAL COMPOSITION



PART	MATERIAL		WEIGHT (mg)	% OF PART	% OF COMPONENT	CAS NO.
Body	Inner Electrode	Ni	0.13	10.09	9.66	7440-02-0
	Dielectric	Calcium Magnesium Titanate	1.14	89.91	86.08	12032-30-3 7439-95-4 12049-50-2
SUBTOTAL			1.27	100.00	95.74	
Termination	Contact with Ceramic	Cu	0.025	44.004	1.875	7440-50-8
	Barrier Layer	Ni	0.013	22.754	0.970	7440-02-0
	Solder Platin	Sn	0.019	33.242	1.417	7440-31-5
SUBTOTAL			0.06	100.00	4.26	
ALL PARTS TOTAL			1.32		100	

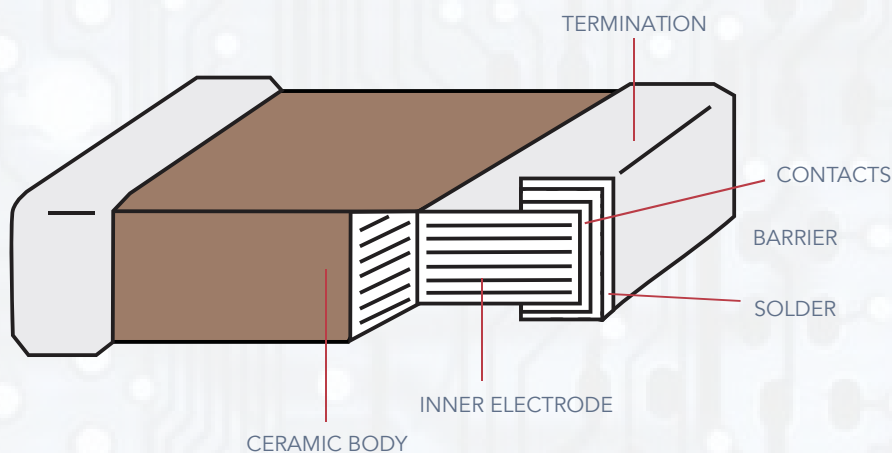
MATERIAL DECLARATION

GMC04-X7R

PRODUCTION IDENTIFICATION

- PRODUCT NAME	Capacitor (MLCC)
- SERIES	GMC04
- SIZE	0402
- DIALECTRIC	X7R
- WEIGHT	1.4 (max)
- MANUFACTURE NAME	Cal-Chip Electronics Inc.
- ADDRESS	59 Steamwhistle Drive, Ivyland, PA 18974
- RESPONSIBLE PERSON NAME	Frank Salamone
- TELEPHONE	215.942.8900

GENERAL COMPOSITION



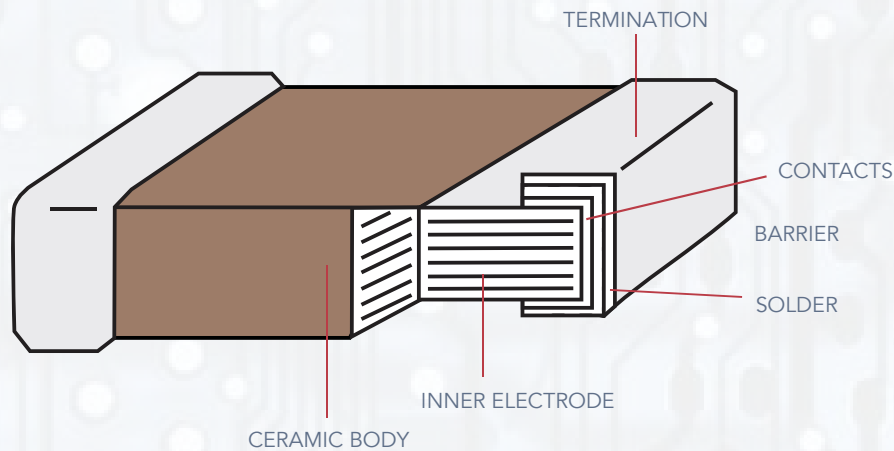
PART	MATERIAL		WEIGHT (mg)	% OF PART	% OF COMPONENT	CAS NO.
Body	Inner Electrode	Ni	0.24	18.05	17.33	7440-02-0
	Dielectric	BaTiO ₃	1.10	89.95	78.65	12047-27-7
SUBTOTAL			1.34	100	95.98	
Termination	Contact with Ceramic	Cu	0.025	44.00	1.77	7440-50-8
	Barrier Layer	Ni	0.013	22.75	0.91	7440-02-0
	Solder Platin	Sn	0.019	33.24	1.34	7440-31-5
SUBTOTAL			0.06	100	4.02	
ALL PARTS TOTAL			1.4		100	



PRODUCTION IDENTIFICATION

- PRODUCT NAME	Capacitor (MLCC)
- SERIES	GMC04
- SIZE	0402
- DIALECTRIC	X7S
- WEIGHT	1.4 (max)
- MANUFACTURE NAME	Cal-Chip Electronics Inc.
- ADDRESS	59 Steamwhistle Drive, Ivyland, PA 18974
- RESPONSIBLE PERSON NAME	Frank Salamone
- TELEPHONE	215.942.8900

GENERAL COMPOSITION

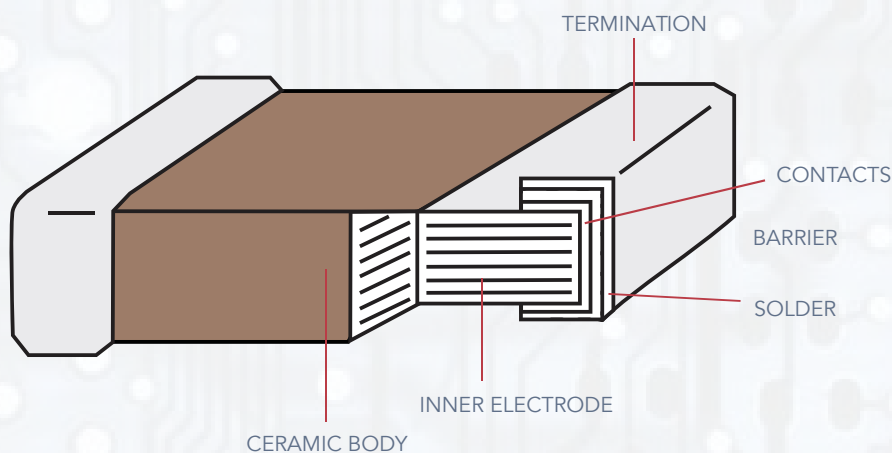


PART	MATERIAL		WEIGHT (mg)	% OF PART	% OF COMPONENT	CAS NO.
Body	Inner Electrode	Ni	0.24	18.05	17.33	7440-02-0
	Dielectric	BaTiO ₃	1.10	89.95	78.65	12047-27-7
SUBTOTAL			1.34	100	95.98	
Termination	Contact with Ceramic	Cu	0.025	44.00	1.77	7440-50-8
	Barrier Layer	Ni	0.013	22.75	0.91	7440-02-0
	Solder Platin	Sn	0.019	33.24	1.34	7440-31-5
SUBTOTAL			0.06	100	4.02	
ALL PARTS TOTAL			1.4		100	

PRODUCTION IDENTIFICATION

- PRODUCT NAME	Capacitor (MLCC)
- SERIES	GMC04
- SIZE	0402
- DIALECTRIC	X5R
- WEIGHT	1.6 (max)
- MANUFACTURE NAME	Cal-Chip Electronics Inc.
- ADDRESS	59 Steamwhistle Drive, Ivyland, PA 18974
- RESPONSIBLE PERSON NAME	Frank Salamone
- TELEPHONE	215.942.8900

GENERAL COMPOSITION



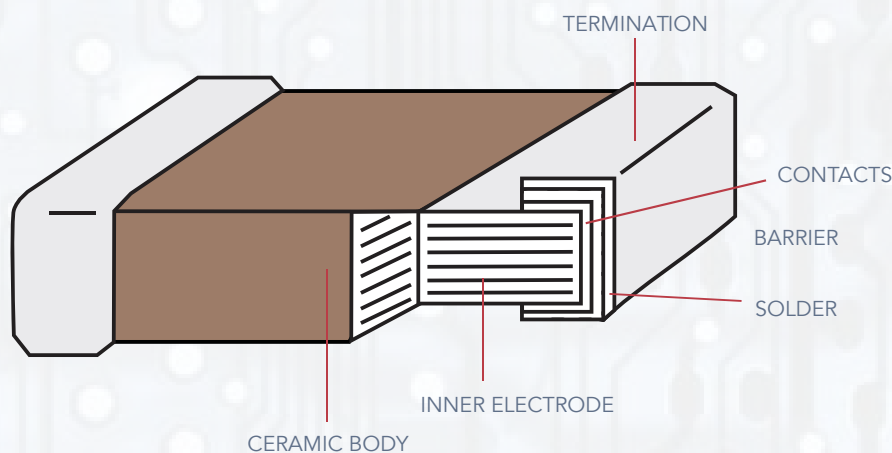
PART	MATERIAL		WEIGHT (mg)	% OF PART	% OF COMPONENT	CAS NO.
Body	Inner Electrode	Ni	0.21	13.36	12.89	7440-02-0
	Dielectric	BaTiO ₃	1.34	86.64	83.59	12047-27-7
SUBTOTAL			1.55	100	96.48	
Termination	Contact with Ceramic	Cu	0.025	44.00	1.55	7440-50-8
	Barrier Layer	Ni	0.013	22.75	0.81	7440-02-0
	Solder Platin	Sn	0.019	33.24	1.17	7440-31-5
SUBTOTAL			0.06	100	3.52	
ALL PARTS TOTAL			1.6		100	



PRODUCTION IDENTIFICATION

- PRODUCT NAME	Capacitor (MLCC)
- SERIES	GMC04
- SIZE	0402
- DIALECTRIC	X6S
- WEIGHT	1.6 (max)
- MANUFACTURE NAME	Cal-Chip Electronics Inc.
- ADDRESS	59 Steamwhistle Drive, Ivyland, PA 18974
- RESPONSIBLE PERSON NAME	Frank Salamone
- TELEPHONE	215.942.8900

GENERAL COMPOSITION

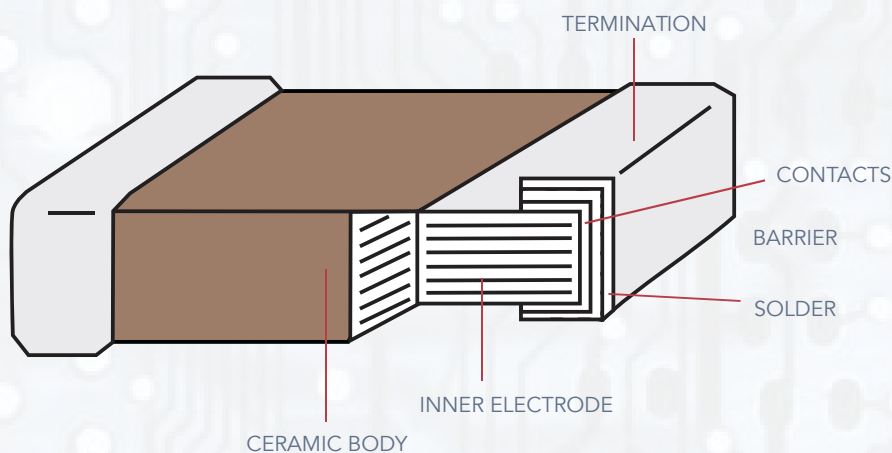


PART	MATERIAL		WEIGHT (mg)	% OF PART	% OF COMPONENT	CAS NO.
Body	Inner Electrode	Ni	0.21	13.36	12.89	7440-02-0
	Dielectric	BaTiO ₃	1.34	86.64	83.59	12047-27-7
SUBTOTAL			1.55	100	96.48	
Termination	Contact with Ceramic	Cu	0.025	44.00	1.55	7440-50-8
	Barrier Layer	Ni	0.013	22.75	0.81	7440-02-0
	Solder Platin	Sn	0.019	33.24	1.17	7440-31-5
SUBTOTAL			0.06	100	3.52	
ALL PARTS TOTAL			1.6		100	

PRODUCTION IDENTIFICATION

- PRODUCT NAME	Capacitor (MLCC)
- SERIES	GMC04
- SIZE	0402
- DIALECTRIC	Y5V
- WEIGHT	1.8 (max)
- MANUFACTURE NAME	Cal-Chip Electronics Inc.
- ADDRESS	59 Steamwhistle Drive, Ivyland, PA 18974
- RESPONSIBLE PERSON NAME	Frank Salamone
- TELEPHONE	215.942.8900

GENERAL COMPOSITION



PART	MATERIAL		WEIGHT (mg)	% OF PART	% OF COMPONENT	CAS NO.
Body	Inner Electrode	Ni	0.18	10.32	10.00	7440-02-0
	Dielectric	BaTiO ₃	1.56	89.68	86.87	12047-27-7
SUBTOTAL			1.74	100	96.87	
Termination	Contact with Ceramic	Cu	0.025	44.00	1.38	7440-50-8
	Barrier Layer	Ni	0.013	22.75	0.71	7440-02-0
	Solder Platin	Sn	0.019	33.24	1.04	7440-31-5
SUBTOTAL			0.06	100	3.13	
ALL PARTS TOTAL			1.8		100	

