

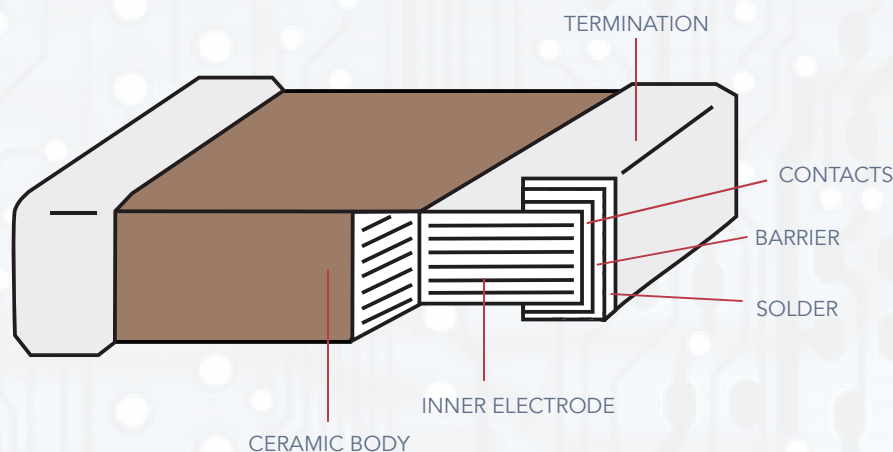


PRODUCTION IDENTIFICATION

- PRODUCT NAME	Capacitor (MLCC)
- TYPE	GMC10
- SIZE	C0G
- SERIES	0603
- WEIGHT	4.7 (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	0.38	8.44	8.17	7440-02-0
	Dielectric	CaTiO ₃	4.16	91.56	88.61	12047-27-7
	SUBTOTAL		4.55	100	96.78	
Termination	Contact with Ceramic	Cu	0.109	72.03	2.32	7440-50-8
	Barrier Layer	Ni	0.021	14.21	0.46	7440-02-0
	Solder Plating	Sn	0.021	13.76	0.44	7440-31-5
	SUBTOTAL		0.15	100	3.22	
	ALL PARTS TOTAL		4.70		100	

Several additives are included in ceramic body. Any environmentally prohibited material is not included in additives. It is difficult to reveal the precise chemical composition and content of each additive due to each MLCC maker's know-how.

Date : February 2006

MATERIAL DECLARATION

GMC10-X7R

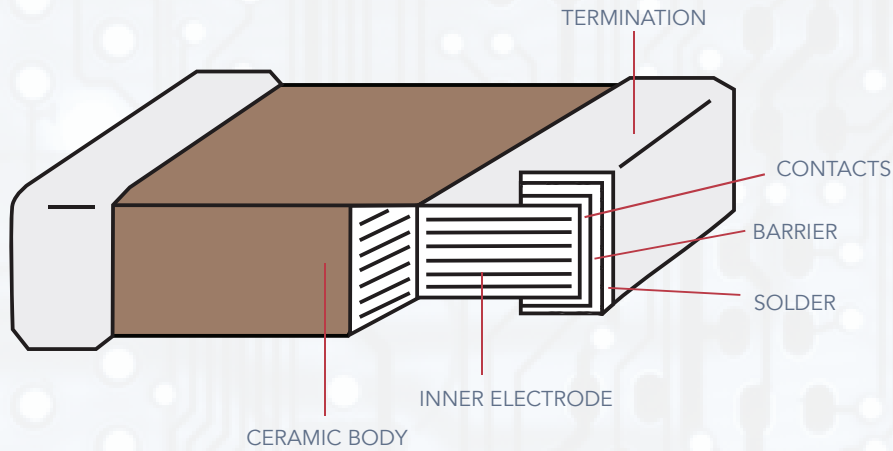


PRODUCTION IDENTIFICATION

- PRODUCT NAME	Capacitor (MLCC)
- TYPE	GMC10
- SIZE	X7R
- SERIES	0603
- WEIGHT	6.1 (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	1.51	25.34	24.71	7440-02-0
	Dielectric	BaTiO ₃	4.44	74.66	72.81	12047-27-7
SUBTOTAL			5.95	100	97.52	
Termination	Contact with Ceramic	Cu	0.109	72.03	1.78	7440-50-8
	Barrier Layer	Ni	0.021	14.21	0.35	7440-02-0
	Solder Plating	Sn	0.021	13.76	0.34	7440-31-5
SUBTOTAL			0.15	100	2.48	
ALL PARTS TOTAL			6.10		100	

Several additives are included in ceramic body. Any environmentally prohibited material is not included in additives. It is difficult to reveal the precise chemical composition and content of each additive due to each MLCC maker's know-how.

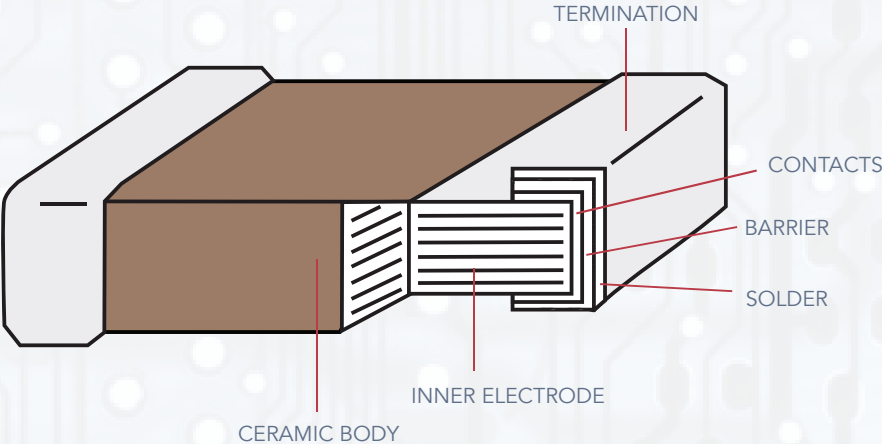
Date: February 2006



PRODUCTION IDENTIFICATION

- PRODUCT NAME: Capacitor (MLCC)
- TYPE: GMC10
- SIZE: X5R
- SERIES: 0603
- WEIGHT: 6.6 (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	1.30	20.10	19.64	7440-02-0
	Dielectric	BaTiO ₃	5.15	79.90	78.07	12047-27-7
SUBTOTAL			6.45	100	97.71	
Termination	Contact with Ceramic	Cu	0.109	72.03	1.65	7440-50-8
	Barrier Layer	Ni	0.021	14.21	0.33	7440-02-0
	Solder Plating	Sn	0.021	13.76	0.32	7440-31-5
SUBTOTAL			0.15	100	2.29	
ALL PARTS TOTAL			6.6		100	

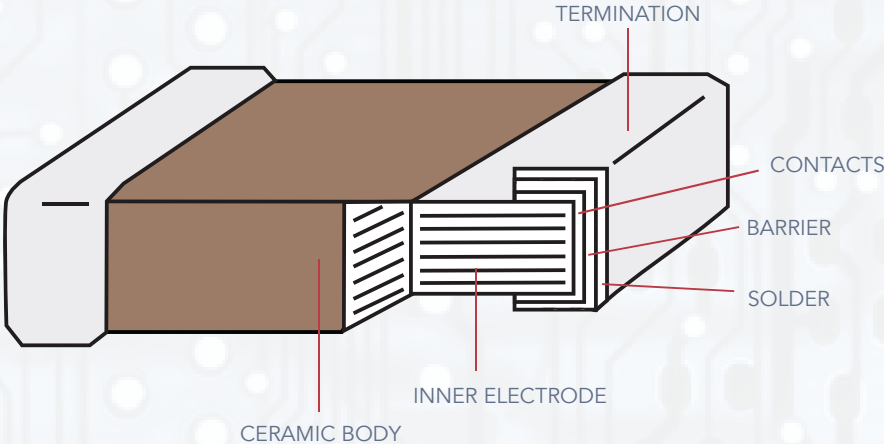
Several additives are included in ceramic body. Any environmentally prohibited material is not included in additives. It is difficult to reveal the precise chemical composition and content of each additive due to each MLCC maker's know-how.

Date: March 15th, 2005

PRODUCTION IDENTIFICATION

- PRODUCT NAME: Capacitor (MLCC)
- TYPE: GMC10
- SIZE: X5R
- SERIES: 0603
- WEIGHT: 6.6 (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	1.30	20.10	19.64	7440-02-0
	Dielectric	BaTiO ₃	5.15	79.90	78.07	12047-27-7
SUBTOTAL			6.45	100	97.71	
Termination	Contact with Ceramic	Cu	0.109	72.03	1.65	7440-50-8
	Barrier Layer	Ni	0.021	14.21	0.33	7440-02-0
	Solder Plating	Sn	0.021	13.76	0.32	7440-31-5
SUBTOTAL			0.15	100	2.29	
ALL PARTS TOTAL			6.6		100	

Several additives are included in ceramic body. Any environmentally prohibited material is not included in additives. It is difficult to reveal the precise chemical composition and content of each additive due to each MLCC maker's know-how.

Date: March 15th, 2005

MATERIAL DECLARATION

GMC10-Y5V

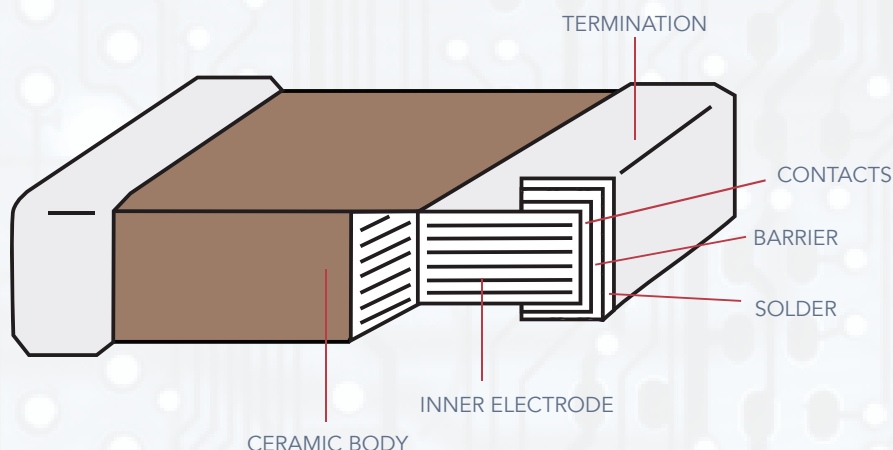


PRODUCTION IDENTIFICATION

- PRODUCT NAME	Capacitor (MLCC)
- TYPE	GMC10
- SIZE	Y5V
- SERIES	0402
- WEIGHT	5.6 (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	0.10	17.43	16.96	7440-02-0
	Dielectric	BaTiO ₃	4.50	82.57	80.34	12047-27-7
	SUBTOTAL		5.45	100	97.30	
Termination	Contact with Ceramic	Cu	0.109	72.03	1.94	7440-50-8
	Barrier Layer	Ni	0.021	14.21	0.38	7440-02-0
	Solder Plating	Sn	0.021	13.76	0.37	7440-31-5
	SUBTOTAL		0.15	100	2.70	
	ALL PARTS TOTAL		5.60		100	

Several additives are included in ceramic body. Any environmentally prohibited material is not included in additives. It is difficult to reveal the precise chemical composition and content of each additive due to each MLCC maker's know-how.

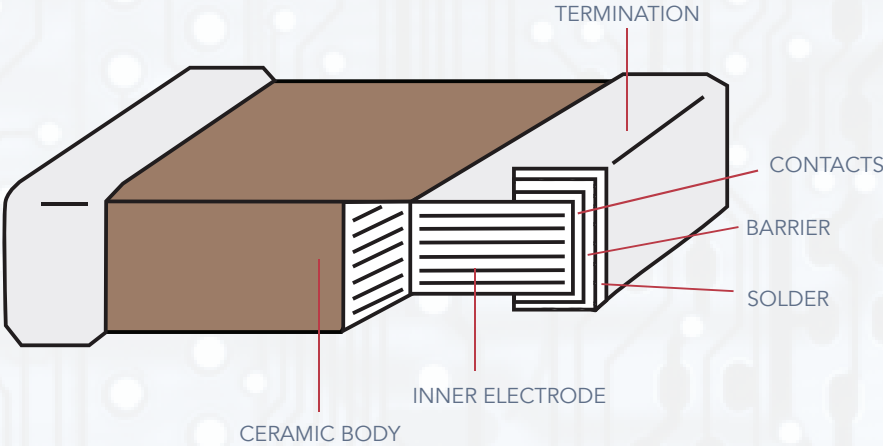
Date: February 2006



PRODUCTION IDENTIFICATION

- PRODUCT NAME: Capacitor (MLCC)
- TYPE: GMC10
- SIZE: Z5U
- SERIES: 0603
- WEIGHT: 5.6 (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	0.10	17.43	16.96	7440-02-0
	Dielectric	BaTiO ₃	4.50	82.57	80.43	12047-27-7
SUBTOTAL			5.45	100	97.30	
Termination	Contact with Ceramic	Cu	0.109	72.03	1.94	7440-50-8
	Barrier Layer	Ni	0.021	14.21	0.38	7440-02-0
	Solder Plating	Sn	0.021	13.76	0.37	7440-31-5
SUBTOTAL			0.15	100	2.70	
ALL PARTS TOTAL			5.60		100	

Several additives are included in ceramic body. Any environmentally prohibited material is not included in additives. It is difficult to reveal the precise chemical composition and content of each additive due to each MLCC maker's know-how.

Date : February 2006