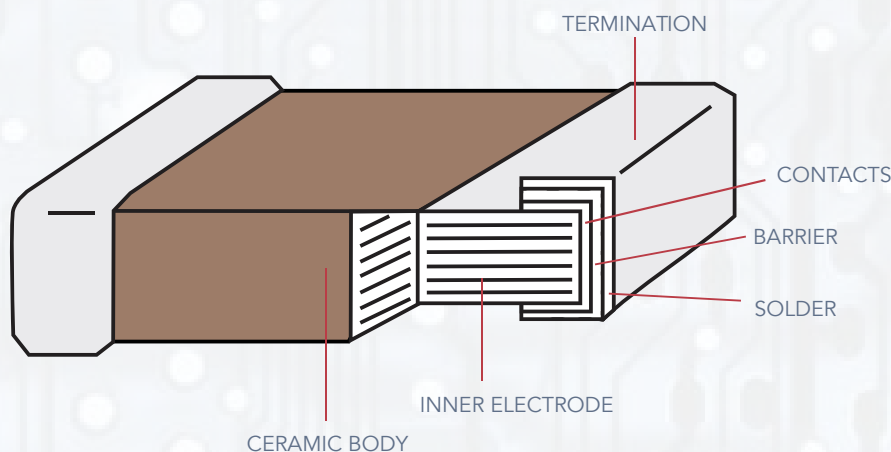


PRODUCT IDENTIFICATION

- PRODUCT NAME Capacitor (MLCC)
- SERIES GMC02
- SIZE 0201
- DIALECTRIC C0G
- WEIGHT 0.223 (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	0.04	21.51	17.88	7440-02-0
	Dielectric	CaTiO ₃	0.15	78.49	65.23	12032-30-3 7439-95-4 12049-50-2
SUBTOTAL			0.19	100.00	83.11	
Termination	Contact with Ceramic	Cu	0.006	16.259	2.746	7440-50-8
	Barrier Layer	Ni	0.008	20.964	3.541	7440-02-0
	Solder Platin	Sn	0.024	62.777	10.603	7440-31-5
SUBTOTAL			0.004	100.00	16.89	
ALL PARTS TOTAL			0.223		100	

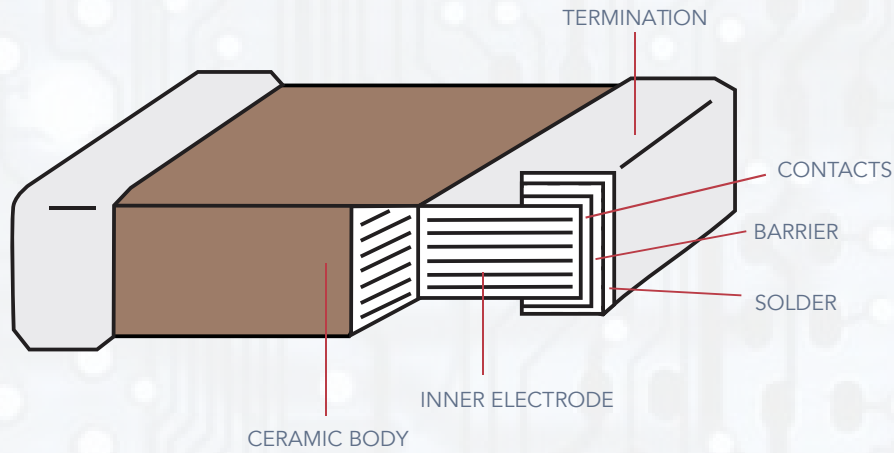
MATERIAL DECLARATION

GMC02-X7R

PRODUCT IDENTIFICATION

- PRODUCT NAME Capacitor (MLCC)
- SERIES GMC02
- SIZE 0201
- DIALECTRIC X7R
- WEIGHT 0.25 (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



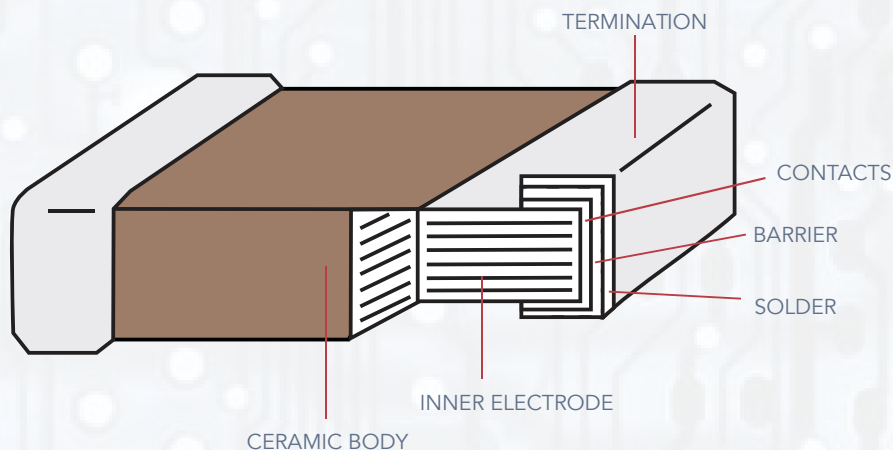
PART	MATERIAL		WEIGHT (mg)	% OF PART	% OF COMPONENT	CAS NO.
Body	Inner Electrode	Ni	0.05	24.53	20.8	7440-02-0
	Dielectric	BaTiO ₃	0.16	75.47	64.00	12047-27-7
SUBTOTAL			0.21	100	84.80	
Termination	Contact with Ceramic	Cu	0.006	15.79	2.40	7440-50-8
	Barrier Layer	Ni	0.008	21.05	3.20	7440-02-0
	Solder Platin	Sn	0.024	63.16	9.60	7440-31-5
SUBTOTAL			0.04		15.20	
ALL PARTS TOTAL			0.25		100	



PRODUCT IDENTIFICATION

- PRODUCT NAME Capacitor (MLCC)
- SERIES GMC02
- SIZE 0201
- DIALECTRIC X7S
- WEIGHT 0.25 (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	0.05	24.53	20.8	7440-02-0
	Dielectric	BaTiO ₃	0.16	75.47	64.00	12047-27-7
SUBTOTAL			0.21	100	84.80	
Termination	Contact with Ceramic	Cu	0.006	15.79	2.40	7440-50-8
	Barrier Layer	Ni	0.008	21.05	3.20	7440-02-0
	Solder Platin	Sn	0.024	63.16	9.60	7440-31-5
SUBTOTAL			0.04		15.20	
ALL PARTS TOTAL			0.25		100	

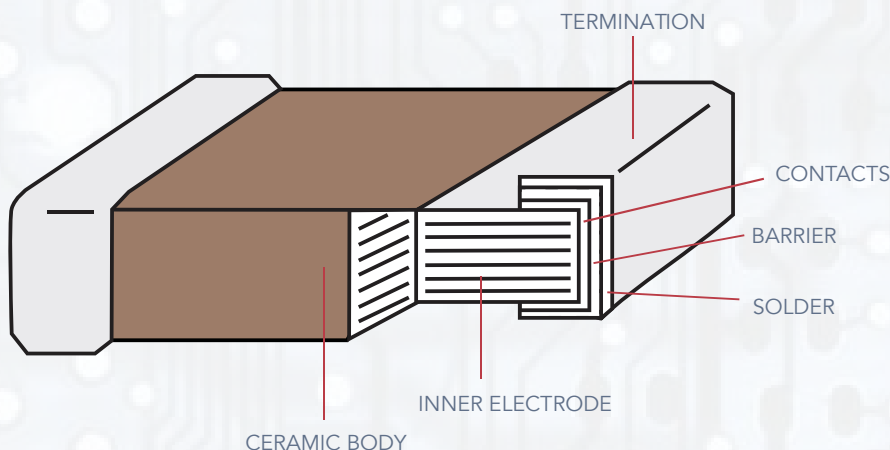
MATERIAL DECLARATION

GMC02-X6S

PRODUCT IDENTIFICATION

- PRODUCT NAME Capacitor (MLCC)
- SERIES GMC02
- SIZE 0201
- DIALECTRIC X6S
- WEIGHT 0.90 (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



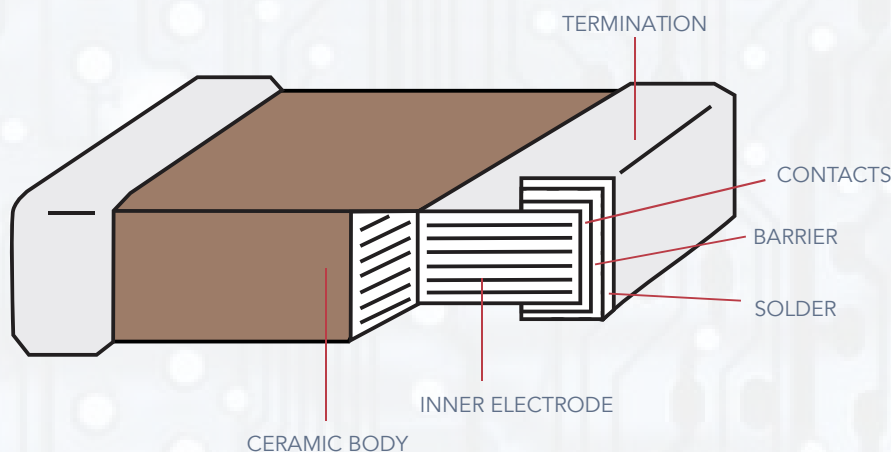
PART	MATERIAL		WEIGHT (mg)	% OF PART	% OF COMPONENT	CAS NO.
Body	Inner Electrode	Ni	0.01	1.33	1.25	7440-02-0
	Dielectric	BaTiO ₃	0.83	98.67	92.54	12047-27-7
SUBTOTAL			0.84	100	93.79	
Termination	Contact with Ceramic	Cu	0.025	44.24	2.75	7440-50-8
	Barrier Layer	Ni	0.013	22.34	1.39	7440-02-0
	Solder Platin	Sn	0.019	33.42	2.08	7440-31-5
SUBTOTAL			0.06	100	6.22	
ALL PARTS TOTAL			0.90		100	



PRODUCT IDENTIFICATION

- PRODUCT NAME Capacitor (MLCC)
- SERIES GMC02
- SIZE 0201
- DIALECTRIC X5R
- WEIGHT 0.90 (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	0.01	1.33	1.25	7440-02-0
	Dielectric	BaTiO ₃	0.83	98.67	92.54	12047-27-7
SUBTOTAL			0.84	100	93.79	
Termination	Contact with Ceramic	Cu	0.025	44.24	2.75	7440-50-8
	Barrier Layer	Ni	0.013	22.34	1.39	7440-02-0
	Solder Platin	Sn	0.019	33.42	2.08	7440-31-5
SUBTOTAL			0.06	100	6.22	
ALL PARTS TOTAL			0.90		100	