

No. _____

Customer Name: _____

Date : 10 May 2013

TDK-EPC CORPORATION

Section: Ceramic Capacitor Business Group
Quality Management Group

Approved : Toru Sudo

Name : Hiroshi Watanabe

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Ingredient list

Product Name	Multilayer Ceramic Chip Capacitor
TDK Part No.	C2012X7R Series
Custmer Part No.	
Sample Weight	15.63 [mg]

No.	Substance Name	CAS No.	Contents [mg]	Use Location	Remark
1	BaTiO3	12047-27-7	10.22	Dielectric	
2	Other	—	0.35	Dielectric	
3	Ni	7440-02-0	2.59	Inner Electrode	
4	Cu	7440-50-8	2.18	Terminal Electrode	
5	Ni	7440-02-0	0.11	Electro-plating	
6	Sn	7440-31-5	0.18	Electro-plating	
	Total		15.63		

Multilayer ceramic chip capacitor is already RoHS Free.

Note: This Ingredient List is based on the average weight for typical capacitance value products.

The Dielectric material and Ni (Inner electrode) weight will vary according to the capacitance.

Rev.

No	Date	Contents	Reason	Approved	Name
1					
2					
3					
4					
5					