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**Ingredient list**

TDK-EPC CORPORATION

Section;Ceramic Capacitor Business  
Quality Management Group

Approved : Toru Sudo

Name : Hiroshi Watanabe

TEL : 81-184-28-1896

Product Name	Multilayer Ceramic Chip Capacitor
TDK Part No.	C3216X5R Series
Custmer Part No.	
Sample Weight	40.96 [mg ]

No.	Substance Name	CAS No.	Contents [mg]	Use Location	Remark
1	BaTiO3	12047-27-7	20.11	Dielectric	
2	Other	—	0.55	Dielectric	
3	Ni	7440-02-0	16.81	Inner Electrode	
4	Cu	7440-50-8	3.09	Terminal Electrode	
5	Ni	7440-02-0	0.15	Electro-plating	
6	Sn	7440-31-5	0.25	Electro-plating	
	Total		40.96		

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					
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