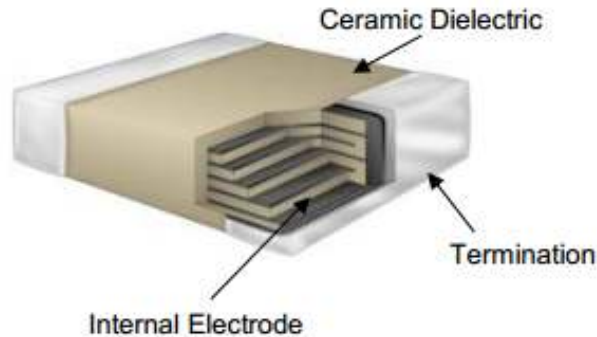


Material Declaration

X7R, X5R, Y5V, Z5U Surface Mount Ceramic Capacitor



Environmental Compliance	
Pb Free	YES
RoHS Compliant	YES
Halogen Free	YES

Homogeneous Level	Construction Element	Substance	Weight	Common Name	CAS #	SGS Report No.
Ceramic Body	Ceramic Dielectric	Barium Titanium Oxide	See Annex 1	BaTiO ₃	7787-45-3	CE_2015_A0150
	Electrode paste	Nickel		Ni	7440-02-0	CE_2015_93729
Termination	Base Metal	Copper		Cu	7440-50-8	CE_2015_A0152
	Under layer	Nickel		Ni	7440-02-0	CE_2015_84058
	Finish plating	Tin		Sn	7440-31-5	CE_2015_84059

<http://www.kemet.com/Green-Product-Roadmap>

Annex 1

Material Declaration

X7R, X5R, Y5V, Z5U Surface Mount Ceramic Capacitor



Series				X7R, X5R, Y5V, Z5U				
Case Size				0402	0603	0805	1206	1210
Homogeneous Level	Material	Substance	CAS No.	weight [mg]	weight [mg]	weight [mg]	weight [mg]	weight [mg]
Ceramic Dielectric	Barium Titanium Oxide	BaTiO3	7787-45-3	1.17	4.55	14.44	39.67	72.49
	Miscellaneous		-	0.02	0.04	0.14	0.42	0.77
Homogeneous Level Weight				1.20	4.60	14.58	40.09	73.26
Internal Electrode	Electrode paste	Ni	7440-02-0	0.08	0.73	1.48	4.47	6.31
Homogeneous Level Weight				0.08	0.73	1.48	4.47	6.31
Termination	Base Metal	Cu	7440-50-8	0.06	0.32	2.13	1.93	1.77
		Miscellaneous	-	0.00	0.02	0.22	0.21	0.19
	Under layer	Ni	7440-02-0	0.02	0.08	0.14	0.20	0.46
	Finish plating	Sn	7440-31-5	0.07	0.26	0.43	0.63	1.41
Homogeneous Level Weight				0.15	0.68	2.92	2.97	3.82
Total Weight				1.43	6.01	18.97	47.52	83.39