

Material Declaration



Package Type	5 x 7
Package Size	5 x 7 mm
Terminal Finish	Gold
Finish Thickness	0.5 microns
Weight (mg)	178.933
MSL	1

Series	CJAC
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Item	Material	Element	Content (mg)	Content (wt%)	CAS #	
Cover	Kovar	Nickel (Ni)	7.984	4.460%	7440-02-0	
		Cobalt (Co)	4.648	2.596%	7440-48-4	
		Iron (Fe)	14.929	8.340%	7439-89-6	
Base	Ceramic	Alumina (Al ₂ O ₃)	102.740	57.434%	1344-28-1	
		Silicon Dioxide (SiO ₂)	4.050	2.263%	14808-60-7	
		Chromium Oxide (Cr ₂ O ₃)	4.349	2.430%	1308-38-9	
		Titanium Oxide (TiO ₂)	1.129	0.631%	13463-67-7	
		Calcium Oxide (CaO)	0.389	0.218%	1305-79-9	
		Magnesium Oxide (MgO)	0.558	0.312%	1309-48-4	
		Tungsten (W)	15.449	8.631%	7440-33-7	
		Seal Ring		Nickel (Ni)	6.037	3.372%
	Gold (Au)			0.688	0.384%	7440-57-5
	Iron (Fe)			7.543	4.214%	7439-89-6
	Cobalt (Co)			2.869	1.603%	7440-48-4
	Silver Solder		Silver (Ag)	2.207	1.233%	7440-22-4
			Copper (Cu)	0.389	0.218%	7440-50-8
	IC	IC	Aluminum (Al)	0.004	0.002%	7429-90-5
Titanium (Ti)			0.001	0.001%	7440-32-6	
Silicon (Si)			1.246	0.696%	7440-21-3	
Gold		Gold (Au)	0.373	0.208%	7440-57-5	
Adhesive			Silver (Ag)	0.00024	0.00014%	7440-22-4
			Epoxy	0.00008	0.00005%	
Crystal	Crystal	Silicon Dioxide (SiO ₂)	1.324	0.740%	14808-60-7	
	Electrode	Silver (Ag)	0.025	0.014%	7440-22-4	
		Nickel (Ni)	0.00021	0.00012%	7440-02-0	
	Adhesive	Silver (Ag)	0.00048	0.00027%	7440-22-4	
		Silicon (Si)	0.00016	0.00009%	7440-21-3	
Total			178.933	100.00%		



Cardinal Components, Inc.
145 Rt. 46 West
Wayne, NJ 07470

TEL: (973)785-1333
E-MAIL: sales@cardinalxtal.com
WEB: http://www.cardinalxtal.com