

Material Declaration



Package Type	5 x 3.2 Overmold
Package Size	5 x 3.2 mm
Terminal Finish	Gold
Finish Thickness	0.5 microns
Weight (mg)	52.000

Series	CPPL5P
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Item	Material	Element	Content (mg)	Content (wt%)	CAS #	
Package	Overmold	Silicon Dioxide (SiO2)	3.85197	7.408%	14464-46-1	
		Epoxy Resin	1.01021	1.943%		
		Aldehyde Resin	0.79990	1.538%		
Base	FR4	Bromine (Br)	3.42607	6.589%	7726-95-6	
		Antimony Trioxide (Sb2O3)	3.42607	6.589%	1309-64-4	
	FR-4	Phenol, 4,4'-(1-methylethylidene)bis(2,6-dibromo-,polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis(phenol)	5.83125	11.214%	26265-08-7	
		Copper (Cu)	3.23530	6.222%	7440-50-8	
		GF-Fibre	10.43015	20.058%		
	Copper Anode	Copper (Cu)	0.35619	0.685%	7440-50-8	
		Bisphenol A, epichlorohydrin polymer	0.05925	0.114%	25068-38-6	
	Soldermask	(2-Methoxymethylethoxy)propanol	0.01481	0.028%	34590-94-8	
		Barium sulphate	0.05184	0.100%	7727-43-7	
		2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	0.01481	0.028%	71868-10-5	
		Dipropylene glycol ethyl ether	0.00741	0.014%	15764-24-6	
		ENIG	Nickel bis(sulphamide)	0.04789	0.092%	13770-89-3
	Gold (Au)		0.00148	0.003%	7440-57-5	
	IC	IC	Aluminum (Al)	0.0011	0.002%	7429-90-5
Titanium (Ti)			0.0004	0.001%	7440-32-6	
Silicon (Si)			0.3856	0.742%	7440-21-3	
Gold (Au)		0.1153	0.222%	7440-57-5		
Adhesive		Silver (Ag)	0.0001	0.000%	7440-22-4	
		Epoxy	0.0000	0.000%		
Capacitor	Body	Nickel (Ni)	0.0100	0.019%	7440-02-0	
		BaTiO3	0.8300	1.596%	12047-27-7	
	Termination	Nickel (Ni)	0.0130	0.025%	7440-02-0	
		Tin (Sn)	0.0190	0.037%	7440-31-5	
		Copper (Cu)	0.0250	0.048%	7440-50-8	
Crystal Cover	Kovar	Nickel (Ni)	1.0681	2.054%	7440-02-0	
		Cobalt (Co)	0.6217	1.196%	7440-48-4	
		Iron (Fe)	1.9973	3.841%	7439-89-6	
	Plating	Nickel (Ni)	0.1528	0.294%	7440-02-0	
Crystal Base	Ceramic	Alumina (Al2O3)	8.5969	16.532%	1344-28-1	
		Silicon Dioxide (SiO2)	0.3144	0.605%	7631-86-9	
		Chromium Oxide (Cr2O3)	0.3369	0.648%	1308-38-9	
		Titanium Oxide (TiO2)	0.0868	0.167%	13463-67-7	
	Metallization	Tungsten (W)	1.3460	2.589%	7440-33-7	
	Nickel Plating	Nickel (Ni)	0.1789	0.344%	7440-02-0	
		Cobalt (Co)	0.0590	0.113%	7440-48-4	
		Gold Plating	Gold (Au)	0.0469	0.090%	7440-57-5
	Seal ring	Iron (Fe)	1.2609	2.425%	7439-89-6	
		Nickel (Ni)	0.6722	1.293%	7440-02-0	
		Cobalt (Co)	0.4412	0.848%	7440-48-4	
		Silver solder	Silver (Ag)	0.2952	0.568%	7440-22-4
	Copper (Cu)		0.0521	0.100%	7440-50-8	
	Crystal	Crystal	Quartz (SiO2)	0.5054	0.972%	14808-60-7
			Silver (Ag)	0.0032	0.006%	7440-22-4
		Adhesive	Nickel (Ni)	0.0000	0.000%	7440-02-0
Silver (Ag)			0.0001	0.000%	7440-22-4	
Silicon (Si)			0.0000	0.000%	7440-21-3	
Total			52.0000	100.000%		



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