

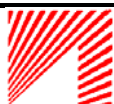
Material Declaration



Package Type	5 x 7
Package Size	7.5 x 5.1 mm
Terminal Finish	Gold
Finish Thickness	0.5 microns
Weight (mg)	180.000
MSL	1

Series	CC065L
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Item	Material	Element	Content (mg)	Content (wt%)	CAS #
Cover	Kovar	Nickel (Ni)	7.984	4.436%	7440-02-0
		Cobalt (Co)	4.648	2.582%	7440-48-4
		Iron (Fe)	14.930	8.294%	7439-89-6
	Plating	Nickel (Ni)	1.142	0.635%	7440-02-0
Base	Ceramic	Alumina (Al ₂ O ₃)	101.132	56.184%	1344-28-1
		Silicon Dioxide (SiO ₂)	4.012	2.229%	7631-86-9
		Chromium Oxide (Cr ₂ O ₃)	4.310	2.395%	1308-38-9
		Titanium Oxide (TiO ₂)	1.115	0.620%	13463-67-7
	Metallization	Tungsten (W)	13.372	7.429%	7440-33-7
	Nickel Plating	Nickel (Ni)	1.714	0.952%	7440-02-0
		Cobalt (Co)	0.428	0.238%	7440-48-4
	Gold Plating	Gold (Au)	0.595	0.330%	7440-57-5
	Seal ring	Iron (Fe)	7.541	4.190%	7439-89-6
		Nickel (Ni)	4.049	2.250%	7440-02-0
		Cobalt (Co)	2.374	1.319%	7440-48-4
	Silver solder	Silver (Ag)	2.207	1.226%	7440-22-4
		Copper (Cu)	0.389	0.216%	7440-50-8
	IC	IC	Aluminum (Al)	0.002	0.001%
Molybdenum (Mo)			0.000	0.000%	7439-98-7
Silicon (Si)			1.296	0.720%	7440-21-3
Gold Wire		Gold (Au)	0.373	0.207%	7440-57-5
Adhesive		Silver (Ag)	0.000244	0.000136%	7440-22-4
		Epoxy	0.00008114	0.0000451%	
Crystal	Crystal	Quartz (SiO ₂)	6.361	3.534%	14808-60-7
	Electrode	Silver (Ag)	0.025	0.014%	7440-22-4
		Nickel (Ni)	0.000206	0.000115%	7440-02-0
	Adhesive	Silver (Ag)	0.00048	0.00027%	7440-22-4
		Silicon (Si)	0.000162	0.000090%	7440-21-3
TOTAL			180.000	100.000%	



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