

Material Declaration



Package Type SMD
Package Size 6 x 3.5 mm
Terminal Finish Gold
Finish Thickness 0.5 microns
Weight (mg) 60.000
MSL 1

Series CX635A

Item	Material	Element	Content (mg)	Content (wt%)	CAS #	
Cover	Kovar	Nickel (Ni)	2.497	4.161%	7440-02-0	
		Cobalt (Co)	1.464	2.440%	7440-48-4	
		Iron (Fe)	4.113	6.854%	7439-89-6	
Base	Plating	Nickel (Ni)	0.406	0.677%	7440-02-0	
		Ceramic	Alumina (Al ₂ O ₃)	26.840	44.734%	1344-28-1
			Silicon Dioxide (SiO ₂)	1.065	1.775%	7631-86-9
			Chromium Oxide (Cr ₂ O ₃)	1.141	1.902%	1308-38-9
	Titanium Oxide (TiO ₂)	0.295	0.491%	13463-67-7		
	Metallization	Tungsten (W)	5.906	9.844%	7440-33-7	
	Nickel Plating	Nickel (Ni)	0.761	1.268%	7440-02-0	
		Cobalt (Co)	0.181	0.301%	7440-48-4	
	Gold Plating	Gold (Au)	0.266	0.444%	7440-57-5	
	Seal Ring	Iron (Fe)	Iron (Fe)	5.897	9.828%	7439-89-6
			Nickel (Ni)	3.167	5.279%	7440-02-0
		Silver solder	Cobalt (Co)	2.045	3.408%	7440-48-4
			Silver (Ag)	1.379	2.298%	7440-22-4
Copper (Cu)			0.247	0.412%	7440-50-8	
Crystal	Quartz (SiO ₂)	2.311	3.852%	14808-60-7		
Crystal	Electrode	Silver (Ag)	0.018	0.030%	7440-22-4	
		Nickel (Ni)	0.000151	0.000252%	7440-02-0	
	Adhesive	Silver (Ag)	0.00035	0.00059%	7440-22-4	
		Silicon (Si)	0.000119	0.000198%	7440-21-3	
TOTAL			60.000	100.000%		



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