

Material Declaration



Package Type	SMD
Package Size	12.9 x 4.3 mm
Terminal Finish	Matte Tin
Finish Thickness	8 microns
Weight (mg)	574.000
MSL	1

Series	CSM1
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Item	Material	Element	Content (mg)	Content (wt%)	CAS #	
Cover	Nickel Silver	Nickel (Ni)	22.982	4.004%	7440-02-0	
		Copper (Cu)	87.507	15.245%	7440-50-8	
		Iron (Fe)	0.354	0.062%	7439-89-6	
		Zinc (Zn)	29.169	5.082%	7440-66-6	
		Manganese (Mn)	0.884	0.154%	7439-96-5	
Base	SPCC	Iron (Fe)	271.273	47.260%	7439-89-6	
		Silicon (Si)	2.652	0.462%	7440-21-3	
		Carbon C	0.077	0.013%	7440-44-0	
	Kovar	Iron (Fe)	28.379	4.944%	7439-89-6	
		Nickel (Ni)	15.513	2.703%	7440-02-0	
		Cobalt (Co)	9.054	1.577%	7440-48-4	
	Solder Plating	Tin (Sn)	0.088	0.015%	7440-31-5	
	Crystal mount		Copper (Cu)	5.003	0.872%	7440-50-8
			Nickel (Ni)	1.560	0.272%	7440-02-0
			Manganese (Mn)	0.008	0.001%	7439-96-5
			Iron (Fe)	0.002	0.000%	7439-89-6
			Zinc (Zn)	2.265	0.395%	7440-66-6
	Glass	Glass Frits	8.839	1.540%	65997-18-4	
	Crystal	Crystal	Silicon Dioxide (SiO2)	26.517	4.620%	14808-60-7
		Electrode	Silver (Ag)	5.303	0.924%	7440-22-4
Adhesive		Silver (Ag)	9.281	1.617%	7440-22-4	
		Ethylene glycol monobutyl ether acetate	0.619	0.108%	112-07-2	
		Diethylene glycol monomethyl ether acetate	0.619	0.108%	629-38-9	
		Epoxy Resin	1.856	0.323%	129915-35-1	
Spacer		PPS	Polyphenol Sulfide Resin	44.196	7.700%	
Total			574.000	100.000%		



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