

# Material Declaration



Package Type	SMD
Package Size	12.9 x 4.7 mm
Terminal Finish	Matte Tin
Finish Thickness	8 microns
Weight (mg)	331.800
MSL	1

Series	CSM5
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Item	Material	Element	Content (mg)	Content (wt%)	CAS #	
Cover	Nickel Silver	Nickel (Ni)	13.285	4.004%	7440-02-0	
		Copper (Cu)	50.584	15.245%	7440-50-8	
		Iron (Fe)	0.204	0.062%	7439-89-6	
		Zinc (Zn)	16.861	5.082%	7440-66-6	
		Manganese (Mn)	0.511	0.154%	7439-96-5	
Base	SPCC	Iron (Fe)	156.809	47.260%	7439-89-6	
		Silicon (Si)	1.533	0.462%	7440-21-3	
		Carbon C	0.044	0.013%	7440-44-0	
	Kovar	Iron (Fe)	16.405	4.944%	7439-89-6	
		Nickel (Ni)	8.967	2.703%	7440-02-0	
		Cobalt (Co)	5.234	1.577%	7440-48-4	
	Solder Plating	Tin (Sn)	0.051	0.015%	7440-31-5	
	Crystal mount		Copper (Cu)	2.892	0.872%	7440-50-8
			Nickel (Ni)	0.902	0.272%	7440-02-0
			Manganese (Mn)	0.005	0.001%	7439-96-5
			Iron (Fe)	0.001	0.000%	7439-89-6
			Zinc (Zn)	1.309	0.395%	7440-66-6
	Glass	Glass Frits	5.109	1.540%	65997-18-4	
Crystal	Crystal	Silicon Dioxide (SiO2)	15.328	4.620%	14808-60-7	
	Electrode	Silver (Ag)	3.066	0.924%	7440-22-4	
	Adhesive	Silver (Ag)	5.365	1.617%	7440-22-4	
		Ethylene glycol monobutyl ether acetate	0.358	0.108%	112-07-2	
		Diethylene glycol monomethyl ether acetate	0.358	0.108%	629-38-9	
		Epoxy Resin	1.073	0.323%	129915-35-1	
	Spacer	PPS	Polyphenol Sulfide Resin	25.547	7.700%	
<b>Total</b>			<b>331.800</b>	<b>100.000%</b>		



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