

# Material Declaration



Package Type	SMD
Package Size	12.9 x 4.3 mm
Terminal Finish	Matte Tin
Finish Thickness	8 microns
Weight (mg)	540.000
MSL	1

Series	CX406
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Item	Material	Element	Content (mg)	Content (wt%)	CAS #	
Cover	Nickel Silver	Nickel (Ni)	21.620	4.004%	7440-02-0	
		Copper (Cu)	82.324	15.245%	7440-50-8	
		Iron (Fe)	0.333	0.062%	7439-89-6	
		Zinc (Zn)	27.441	5.082%	7440-66-6	
		Manganese (Mn)	0.832	0.154%	7439-96-5	
Base	SPCC	Iron (Fe)	255.205	47.260%	7439-89-6	
		Silicon (Si)	2.495	0.462%	7440-21-3	
		Carbon C	0.072	0.013%	7440-44-0	
	Kovar	Iron (Fe)	26.698	4.944%	7439-89-6	
		Nickel (Ni)	14.594	2.703%	7440-02-0	
		Cobalt (Co)	8.518	1.577%	7440-48-4	
	Solder Plating	Tin (Sn)	0.088	0.016%	7440-31-5	
	Crystal mount		Copper (Cu)	4.707	0.872%	7440-50-8
			Nickel (Ni)	1.468	0.272%	7440-02-0
			Manganese (Mn)	0.007	0.001%	7439-96-5
			Iron (Fe)	0.002	0.000%	7439-89-6
			Zinc (Zn)	2.130	0.395%	7440-66-6
	Glass	Glass Frits	8.316	1.540%	65997-18-4	
	Crystal	Crystal	Silicon Dioxide (SiO2)	24.947	4.620%	14808-60-7
		Electrode	Silver (Ag)	4.989	0.924%	7440-22-4
Adhesive		Silver (Ag)	8.731	1.617%	7440-22-4	
		Ethylene glycol monobutyl ether acetate	0.582	0.108%	112-07-2	
		Diethylene glycol monomethyl ether acetate	0.582	0.108%	629-38-9	
		Epoxy Resin	1.746	0.323%	129915-35-1	
Spacer		PPS	Polyphenol Sulfide Resin	41.578	7.700%	
<b>Total</b>			<b>540.00</b>	<b>100.00%</b>		



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