

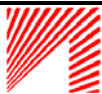
Material Declaration



Package Type	TH
Package Size	7.8 x 8.1 mm
Terminal Finish	Matte Tin
Finish Thickness	8 microns
Weight (mg)	1098.000
MSL	1

Series	C49
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Item	Material	Element	Content (mg)	Content (wt%)	CAS #	
Cover	Nickel Silver	Nickel (Ni)	100.123	9.12%	7440-02-0	
		Copper (Cu)	375.188	34.17%	7440-50-8	
		Iron (Fe)	1.100	0.10%	7439-89-6	
		Zinc (Zn)	125.429	11.42%	7440-66-6	
		Manganese (Mn)	3.301	0.30%	7439-96-5	
Base	SPCC	Carbon C	0.096	0.01%	7440-44-0	
		Silicon (Si)	3.312	0.30%	7440-21-3	
		Copper (Cu)	6.227	0.57%	7440-50-8	
	Kovar	Iron (Fe)	372.987	33.97%	7439-89-6	
		Nickel (Ni)	19.310	1.76%	7440-02-0	
		Cobalt (Co)	11.267	1.03%	7440-48-4	
	Solder Plating	Tin (Sn)	0.069	0.01%	7440-31-5	
	Crystal mount	Nickel (Ni)	Nickel (Ni)	1.942	0.18%	7440-02-0
			Manganese (Mn)	0.010	0.00%	7439-96-5
			Iron (Fe)	0.002	0.00%	7439-89-6
			Zinc (Zn)	2.819	0.26%	7440-66-6
	Glass	Glass Frit	11.003	1.00%	65997-18-4	
	Crystal	Crystal	Silicon Dioxide (SiO2)	44.010	4.01%	14808-60-7
Electrode		Silver (Ag)	6.602	0.60%	7440-22-4	
Adhesive		Silver (Ag)	9.902	0.90%	7440-22-4	
		Ethylene Glycol monobutyl ether	0.660	0.06%	112-07-2	
		Diethylene glycol monomethyl ether acetate	0.660	0.06%	629-38-9	
		Epoxy resin	1.980	0.18%	129915-35-1	
TOTAL			1098.000	100.000%		



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