

SS4 Series Material Declaration

Total Weight: 568.4 mg
Size: 11.3 x 4.7 x 3.6 mm



Part	Weight of parts (mg)	Content substance	CAS No	Content (mg)	Content (%)	
Crystal Blank	4.60	Synthetic quartz crystal	Silicon oxide (SiO ₂)	7631-86-9	4.60	0.81
Electrode	0.10	Silver	Silver (Ag)	7440-22-4	0.10	0.02
Conductive Bond	3.70	Silver Epoxy Resin	Silver (Ag)	7440-22-4	2.812	0.49
			Phenol	25068-38-6	0.55	0.1
			Fatty Acids	67989-52-0	0.1295	0.02
			Bisphenol F	55492-52-9	0.2035	0.04
Holder Base	371.0	Base (SPCC)	Carbon (C)	7440-44-0	0.30	0.05
			Manganese (Mn)	7439-96-5	0.50	0.09
		312.8 mg	Iron (Fe)	7439-89-6	312.00	54.89
			Holder Terminal (KOVAR)	Nickel (Ni)	7440-02-0	11.20
		38.2 (mg)		Cobalt (Co)	7440-48-4	6.40
			Iron (Fe)	7439-89-6	20.60	3.62
		Glass (Hard Glass)	Silicon oxide (SiO ₂)	7631-86-9	11.70	2.06
			Aluminum oxide (Al ₂ O ₃)	1344-28-1	1.70	0.30
			Potassium oxide (K ₂ O)	12136-45-7	0.30	0.05
13.7 (mg)	Pin (Copper Nickel alloy)	Copper (Cu)	7440-50-8	4.80	0.84	
		Nickel (Ni)	7440-02-0	1.40	0.25	
	6.2 mg	Solder Plating (Sn100C)	Tin (Sn)	7440-31-5	0.10	0.02
Cap	189.0	Silver Nickel	Copper (Cu)	7440-50-8	125.00	21.99
			Zinc (Zn)	7440-66-6	26.00	4.57
			Nickel (Ni)	7440-02-0	37.00	6.51
			189.0 mg	Manganese (Mn)	7439-96-5	1.00

TOTAL

568.40

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