

SS3 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
		Holder Terminal (KOVAR)	Iron (Fe)	7439-89-6	312.00	54.89
			Nickel (Ni)	7440-02-0	11.20	1.97
		Glass (Hard Glass)	Cobalt (Co)	7440-48-4	6.40	1.13
			Iron (Fe)	7439-89-6	20.60	3.62
			Silicon oxide (SiO ₂)	7631-86-9	11.70	2.06
			Aluminum oxide (Al ₂ O ₃)	1344-28-1	1.70	0.30
		Pin (Copper Nickel alloy)	Potassium oxide (K ₂ O)	12136-45-7	0.30	0.05
			Copper (Cu)	7440-50-8	4.80	0.84
Solder Plating (Sn100C)	Nickel (Ni)	7440-02-0	1.40	0.25		
	Tin (Sn)	7440-31-5	0.10	0.02		
	Cap	189.0	Silver Nickel	Copper (Cu)	7440-50-8	125.00
Zinc (Zn)				7440-66-6	26.00	4.57
Nickel (Ni)				7440-02-0	37.00	6.51
Manganese (Mn)				7439-96-5	1.00	0.18
TOTAL					568.40	100