

Component	Material Name	Substance Name	CAS No.	Substance Mass		Material Mass (wt%)
				(mg)	(wt%)	
Lid	Kovar	Iron (Fe)	7439-89-6	0.233120	49.6000	15.2344%
		Nickel (Ni)	7440-02-0	0.159800	34.0000	10.4429%
		Cobalt (Co)	7440-48-4	0.075200	16.0000	4.9143%
		Manganese (Mn)	7439-96-5	0.001880	0.4000	0.1229%
Blank	SiO2	Silica (SiO2)	14808-60-7	0.001971	100.0000	0.1288%
Base	Ceramic	Alumina (Al2O3)	1344-28-1	0.176382	91.0000	11.5266%
		Manganese oxide (Mn2O2)	1317-34-6	0.005815	3.0000	0.3800%
		Silicon oxide (SiO2)	7631-86-9	0.009691	5.0000	0.6333%
		Molybdenum oxide (MoO3)	1313-27-5	0.000969	0.5000	0.0633%
		Magnesium oxide (MgO)	1309-48-4	0.000969	0.5000	0.0633%
	Metallizing	Molybdenum (Mo)	7439-98-7	0.193827	100.0000	12.6666%
	Kovar ring	Iron (Fe)	7439-89-6	0.106605	55.0000	6.9666%
		Nickel (Ni)	7440-02-0	0.054271	28.0000	3.5466%
		Cobalt (Co)	7440-48-4	0.032951	17.0000	2.1533%
	Solder	Silver (Ag)	7440-22-4	0.139555	72.0000	9.1199%
		Copper (Cu)	7440-50-8	0.054271	28.0000	3.5466%
	Plating	Gold (Au)	7440-57-5	0.141347	100.0000	9.2370%
		Nickel (Ni)	7440-02-0	0.141347	100.0000	9.2370%
	Adhesive	XA-5940	Silver (Ag)	7440-22-4	0.000034	76.3000
Silicone Resin			--	0.000007	14.6000	0.00040%
n-Dodecane (C12H26)			112-40-3	0.000004	8.3000	0.0002%
Alkoxysilane			3388-04-3	0.000000	0.8000	0.0000%
Electrode	Ag	Silver (Ag)	7440-22-4	0.000206	100.0000	0.0135%
TOTAL				1.530222	1000.0000	100.0000%