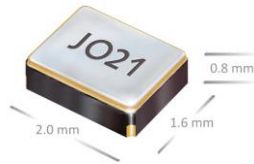


JO21 Series Material Declaration

Total Weight: 6,5 mg



RoHS compliant



Pb free



REACH compliant



Part	Weight of parts (mg)	Content substance			CAS No	Content (mg)	Content (wt%)
Crystal blank	0.2140	Quartz	Quartz	SiO ₂	14808-60-7	0.2140	3.2805
Electrode	0.0016	Ag-Cr	Silver	Ag	7440-22-4	0.0015	0.0230
			Chromium	Cr	7440-47-3	0.0001	0.0017
Conductive adhesive	0.0173	Silicon resin	Silicon	Si	7440-21-3	0.0019	0.0295
			Silver	Ag	7440-22-4	0.0154	0.2362
Base	4.2269	Ceramic	Aluminium oxide	Al ₂ O ₃	1344-28-1	2.5415	38.9605
			Silicon dioxide	SiO ₂	7631-86-9	0.1237	1.8968
			Chromium oxide	Cr ₂ O ₃	1308-38-9	0.0201	0.3076
			Molybdenum	Mo	7439-98-7	0.0409	0.6264
		Gold plate	Gold	Au	7440-57-5	0.0268	0.4101
		Ni	Nickel	Ni	7440-02-0	0.0656	1.0059
		Mo-W	Molybdenum	Mo	7439-98-7	0.0060	0.0913
			Tungsten	W	7440-33-7	0.6287	9.6376
		Ag-Cu	Silver	Ag	7440-22-4	0.1739	2.6657
			Copper	Cu	7440-50-8	0.0301	0.4614
		Kovar Ring	Iron	Fe	7439-89-6	0.2876	4.4087
			Nickel	Ni	7440-02-0	0.1718	2.6339
Cobalt	Co		7440-48-4	0.1104	1.6917		
IC	0.1663	Au Bump	Gold	Au	7440-57-5	0.0057	0.0872
		Si-Al	Silicon	Si	7440-21-3	0.1600	2.4527
			Aluminium	Al	7429-90-5	0.0006	0.0097
Metal Cap	1.8971	Kovar	Iron	Fe	7439-89-6	0.7582	11.6230
			Nickel	Ni	7440-02-0	0.4072	6.2422
			Cobalt	Co	7440-48-4	0.2387	3.6592
		Au-Ni	Gold	Au	7440-57-5	0.0010	0.0153
			Nickel	Ni	7440-02-0	0.1520	2.3301
		Au-Sn	Gold	Au	7440-57-5	0.2669	4.0915
Tin	Sn	7440-31-5	0.0731	1.1206			