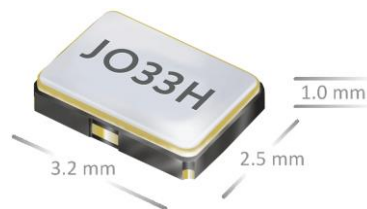


JO33H Series Material Declaration

Total Weight: 23 mg



RoHS (2011/65/EC) compliant



Part	Weight of parts(mg)	Content substance			CAS No	Content (mg)	Content (wt%)
Crystal blank	0.4794	Quartz	Quartz	SiO ₂	14808-60-7	0.4794	2.1220
Electrode	0.0141	Au-Cr	Gold	Au	7440-57-5	0.0139	0.0616
			Chromium	Cr	7440-47-3	0.0002	0.0009
Conductive adhesive	0.0192	Silicon resin	Silicon	Si	7440-21-3	0.0021	0.0093
			Silver	Ag	7440-22-4	0.0171	0.0757
Base	18.3900	Ceramic	Aluminium oxide	Al ₂ O ₃	1344-28-1	12.2000	53.9978
			Silicon dioxide	SiO ₂	7631-86-9	0.4500	1.9917
			Chromium oxide	Cr ₂ O ₃	1308-38-9	0.0700	0.3098
			Molybdenum	Mo	7439-98-7	0.0900	0.3983
		Gold plate	Gold	Au	7440-57-5	0.3700	1.6376
		Ni	Nickel	Ni	7440-02-0	0.7900	3.4966
		Mo-W	Molybdenum	Mo	7439-98-7	0.0300	0.1328
			Tungsten	W	7440-33-7	1.1000	4.8687
		Kovar Ring	Iron	Fe	7439-89-6	1.7500	7.7456
			Nickel	Ni	7440-02-0	0.9400	4.1605
Cobalt	Co		7440-48-4	0.6000	2.6556		
IC	0.2906	Au Wire	Gold	Au	7440-57-5	0.1138	0.5037
		Si-Al	Silicon	Si	7440-21-3	0.1760	0.7790
			Aluminium	Al	7429-90-5	0.0008	0.0036
Metal Cap	3.4002	Kovar	Iron	Fe	7439-89-6	1.8350	8.1218
			Nickel	Ni	7440-02-0	0.9850	4.3597
			Cobalt	Co	7440-48-4	0.5800	2.5671
		Nickel plating	Nickel	Ni	7440-02-0	0.0002	0.0007