

JT21S Material Declaration

Type
SMD

Total Weight (mg)
8.646



RoHS compliant



Pb free



REACH
compliant



Part	Weight of part (mg)	Material Name	CAS No.	Substance	Weight per Material (%)	Weight (mg)
Base	6.405	Ceramic	1344-28-1	Al ₂ O ₃	67.95	4.35220
			7631-86-9	SiO ₂	2.35	0.15040
			1317-34-6	Mn ₂ O ₃	2.49	0.15980
			1313-27-5	MoO ₃	0.37	0.02350
			1309-48-4	MgO	0.22	0.01410
			7439-98-7	Mo	1.11	0.07100
			7440-02-0	Ni	11.24	0.72020
			7440-48-4	Co	3.69	0.23660
			7440-57-5	Au	0.82	0.05265
			7440-28-0	Tl	0.02	0.00135
			7439-89-6	Fe	4.89	0.31320
			7440-22-4	Ag	4.11	0.26350
			7440-50-8	Cu	0.73	0.04650
Lid	1.152	Kovar	6.41	Fe	48.14	0.55460
			7440-02-0	Ni	34.82	0.40113
			7440-48-4	Co	16.29	0.18772
			7439-96-5	Mn	0.45	0.00521
			14808-60-7	Si	0.27	0.00313
Blank	0.250	Quartz	7440-44-0	C	0.02	0.00021
			14808-60-7	SiO ₂	100.00	0.25000
Electrode	0.011	Metal	7440-57-5	Au	95.00	0.01069
			7440-47-3	Cr	5.00	0.00056
AU Wire	0.200	Metal	7440-57-5	Au	100.00	0.20000
IC	0.198	IC Die	7440-21-3	Si	84.60	0.16750
			7440-50-8	Cu	1.51	0.00300
			7429-90-5	Al	0.15	0.00030
			7440-57-5	Au	0.41	0.00081
			7440-02-0	Ni	13.33	0.02640
IC encapsulator	0.411	Epoxy	60676-86-0	SiO ₂	50.24	0.20669
			25068-38-6	Bisphenol A type	12.00	0.04937
			9003-36-5	Bisphenol F type	10.23	0.04209
			85954-11-6	Biphenyl	25.51	0.10495
			1333-86-4	C compounds	1.02	0.00420
			1304-76-3	Bismuth(I)oxide	0.85	0.00350
Adhesive	0.018	Silver Silicone Resin	10361-44-1	Bismuthnitrate	0.15	0.00062
			68083-19-2	Siloxane	15.00	0.00270
			7440-22-4	Ag	78.00	0.01404
			7631-86-9	SiO ₂	7.00	0.00126