

JT33 / JT33V Material Declaration

Type
SMD

Total Weight (mg)
26.089



Part	Weight of part (mg)	Material Name	CAS No.	Substance	Weight per Material (%)	Weight (mg)
Base	21.000	Ceramic	1344-28-1	Al2O3	76.4	16.03825
			14808-60-7	SiO2	3.7	0.78320
			1305-78-8	CaO	0.5	0.11437
			1309-48-4	MgO	0.5	0.10569
			1308-38-9	Cr2O3	0.6	0.12130
			7439-98-7	Mo	1.1	0.23938
			7440-33-7	W	11.5	2.41727
			7440-02-0	Ni	4.1	0.85806
			7440-48-4	Co	1.0	0.21452
			7440-57-5	Au	0.5	0.10798
Lid	4.479	Kovar	7439-89-6	Fe	38.72	1.73437
			7440-02-0	Ni	28.73	1.28696
			7440-48-4	Co	11.77	0.52720
			7439-96-5	Mn	0.19	0.00830
			7440-21-3	Si	0.05	0.00213
			7440-44-0	C	0.00	0.00003
			7440-22-4	Ag	14.79	0.66240
Blank	0.150	Quartz	7440-50-8	Cu	5.75	0.25760
			14808-60-7	SiO2	100	0.15000
Electrode	0.010	Metal	7440-22-4	Ag	99.5	0.00995
			7440-47-3	Cr	0.5	0.00005
Adhesive	0.040	Silver Silicone Resin	68083-19-2	Siloxane	15	0.00600
			7440-22-4	Ag	78	0.03120
			7631-86-9	SiO2	7	0.00280
Gold wire	0.100	Metal	7440-57-5	Au	100	0.10000
IC Die	0.200	IC Die	7440-21-3	Si	98.636	0.19727
			7440-38-2	As	0.001	0.00000
			7440-42-8	B	0.000	0.00000
			7423-14-0	P	0.000	0.00000
			7429-90-5	Al2O3	0.750	0.00150
			7440-50-8	Cu	0.012	0.00002
			7440-33-7	W	0.220	0.00044
			7440-32-6	Ti	0.380	0.00076
Die Adhesive	0.110	Silver Epoxy	7440-22-4	Silver	72.00	0.07920
			9003-36-5	Modified Epoxy Resin	9.00	0.00990
			28064-14-4	Epoxy resin F type	9.00	0.00990
			25068-38-6	Epoxy resin F type	8.00	0.00880
			827-43-0	Imidazole	1.00	0.00110
			461-58-5	Amide	1.00	0.00110