

Model 82LF BOM-style material declaration. BI Technologies Corporation

9/7/2010

No content here is banned per E.U. R.o.H.S.. Average mass of 82LF trimmer is 0.34 grams each.

Weights above 1 milligram rounded to the nearest mg. Values less than 1 milligram given in scientific notation.

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Sub-component	Material	% of total mass	Substance name	CAS #	Substance Weight (grams)	Special classification			
Housing	"Nickel silver" alloy	31.6%	Cu	7440-50-8	0.069				
			Zn	7440-66-6	0.018				
			Ni	7440-02-0	0.019				
Rotor	PPS blend	14.0%	polyphenylene sulphide	26125-40-6	0.038				
			trade secret	unknown	0.009	non-hazardous			
O-ring	silicone rubber	1.1%	methylvinyl polysiloxane	68083-18-1	0.003				
			trade secret	unknown	7.62E-04	non-hazardous			
Contact	Cu alloy wire	0.42%	Cu	7440-50-8	7.70E-04				
			Zn	7440-66-6	3.78E-04				
			Ni	7440-02-0	2.52E-04				
	Nickel alloy bar	0.30%	Cu	7440-50-8	5.00E-07				
			Ni	7440-02-0	8.46E-04				
			C	7440-44-0	6.00E-07				
			Mn	7439-96-5	2.50E-06				
			Fe	7439-89-6	1.50E-04				
			S	7704-34-9	5.00E-08				
			Si	7440-21-3	5.00E-07				
Terminals	Cu wire	16.3%	Cu	7440-50-8	0.055				
	Sn plating	0.008%	Sn	7440-31-5	2.54E-05				
Substrate	Alumina	36.1%	Al2O3	1344-28-1	0.117				
			SiO2, amorphous	7631-86-9	0.001				
			TiO2	13463-67-7	6.09E-04				
			FeO2	1345-25-1	6.09E-04				
			MnO2	1313-13-9	0.001				
			MgO	1309-48-4	6.09E-04				
			CaO	1305-78-8	6.09E-04				
			Conductor	AgPd thick film	0.12%	Al2O3	1344-28-1	2.71E-06	
						SiO2, amorphous	7631-86-9	1.19E-05	
			TiO2	13463-67-7	2.71E-06				
			PbO	1317-36-8	1.62E-05	Pb in electronic ceramic (RoHS exempt)			
			ZnO	1314-13-2	2.94E-06				
			B2O3	1303-86-2	1.00E-06				
			ZrO2	1314-23-4	2.4E-07				
			BaO	1304-28-5	3.08E-06				
			Ag	7440-22-4	3.23E-04				
			Pd	7440-05-3	3.60E-05				
Resistor	Ruthenate thick film	0.06%	Al2O3	1344-28-1	2.66E-06				
			SiO2, amorphous	7631-86-9	2.23E-05				
			TiO2	13463-67-7	2.66E-06				
			MnO2	1313-13-9	1.20E-06				
			PbO	1317-36-8	5.85E-05	Pb in electronic ceramic (RoHS exempt)			
			ZnO	1314-13-2	6.38E-06				
			B2O3	1303-86-2	7.46E-06				
			ZrO2	1314-23-4	1.79E-06				
			BaO	1304-28-5	3.02E-06				
			Ag	7440-22-4	7.22E-06				
			Pd	7440-05-3	9.18E-06				
			Steatite	14807-96-6	4.00E-07				
			Bi2Ru2O6	unknown	9.00E-06				
			Pb2Ru2O6+x	unknown	6.40E-05	Pb in electronic ceramic (RoHS exempt)			
				RuO2	12036-10-1	4.20E-06			