

## M22LF detailed material content, BI Technologies Corporation

6/10/2010

No content here is banned per E.U. R.o.H.S..

Average mass of M22 trimmer is 0.077 grams each.

Sub-component	Material	% of total mass	Substance name	CAS #	Substance Weight (grams)	Special classification
Housing	Nylon	25.7	polyhexamethylene adipamide	32131-17-2	0.0199	
			antimony trioxide	1309-64-4	trace	fire retardant
			tetrabromobisphenyl A polymer	?	trace	
Contact	Nickel-silver alloy	1.5	Ni	7440-02-0	0.0002	
			Cu	7440-50-8	0.00065	
			Zn	7440-66-6	0.0003	
Rotor	Polyamide	16.6	polynonamethylene terephthalamide	169284-22-4	0.0128	
Seal	Rubber	1.0	silicone rubber	?	0.0007	
Element	Ceramic	35.1	alumina	1344-28-1	0.0272	
Resistor element	Thick film ink	0.3	Ag	7440-22-4	0.00027	
			PbO	1317-36-8	0.0001	Pb in electronic ceramic
			other non-hazardous	?	0.0001	non-hazardous
Leadframe	Phosphor bronze	18.5	Cu	7440-50-8	0.0131	
			Sn	7440-31-5	0.0011	
			P	7723-14-0	trace	
Terminal finish	Tin	1.3	Sn	7440-31-5	0.001	
	Sum	100		Sum	0.077	