

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t6233is6#trmpbf		(Engineering Calculation)				TSOT-23	
(printed on: 2020-07-11 20:40:21)					TOTAL MASS (g) :		0.012433
COMPONENT MATERIAL	VENDOR/ INDUSTRY NAMES	CONSTITUENT NAME	CAS NUMBER	CONSTITUENT MASS (g)	CONSTITUENT (PPM) OF MATERIAL	CONSTITUENT (PPM) OF TOTAL PKG.	
Active Device	Linear Technology	Silicon (Si)	7440-21-3	0.000496	1000000	39894.609375	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.004582	975000	368542.5625	
		Iron (Fe)	7439-89-6	0.000113	24000	9088.89355469	
		Phosphorus (P)	7723-14-0	0.000001	300	80.4326858521	
		Zinc (Zn)	7440-66-6	0.000003	700	241.298049927	
		Nickel (Ni)	7440-02-0	0.000000	0	0	
		Silicon (Si)	7440-21-3	0.000000	0	0	
		Magnesium (Mg)	7439-95-4	0.000000	0	0	
		Tin (Sn)	7440-31-5	0.000000	0	0	
		Lead Frame Total:		0.004699	1000000	377953.1875	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.000644	1000000	51779.0234375	
		External Plating Total:		0.000644	1000000	51779.0234375	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.000080	1000000	6434.61474609	
		Internal Plating Total:		0.000080	1000000	6434.61474609	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000380	750000	30564.4199219	
		Tin (Sn)	7440-31-5	0.000000	0	0	
		Lead (Pb)	7439-92-1	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.000000	0	0	
		Indium (In)	7440-74-6	0.000000	0	0	
		Metal Oxide		0.000000	0	0	
		Antimony (Sb)	7440-36-0	0.000000	0	0	
		Resin (EP)		0.000127	250000	10214.9521484	
		Die Attach Total:		0.000507	1000000	40779.3710938	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.000772	130000	62094.03125	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.004930	830000	396533.125	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.000208	35000	16729.9980469	
		Carbon Black (C)	1333-86-4	0.000030	5000	2412.98046875	
		Encapsulation Total:		0.005940	1000000	477770.15625	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000067	1000000	5388.99023438	
					TOTAL MASS (g) :		0.012433