

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t6210is6#trpbf

(Engineering Calculation)

TSOT-23

(printed on: 2020-07-11 20:40:00)

TOTAL MASS (g) : 0.01229

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	0.000417	1000000	33930.6953125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.004582	975000	372830.8125		
		Iron (Fe)	7439-89-6	0.000113	24000	9194.6484375		
		Phosphorus (P)	7723-14-0	0.000001	300	81.3685760498		
		Zinc (Zn)	7440-66-6	0.000003	700	244.105728149		
		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	382350.9375		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.000644	1000000	52381.5078125		
		External Plating Total:				0.000644	1000000	52381.5078125
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000080	1000000	6509.48583984		
Internal Plating Total:				0.000080	1000000	6509.48583984		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000332	750000	27014.3671875		
		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)		0.000111	250000	9031.91210938		
Die Attach Total:				0.000443	1000000	36046.2773438		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.000772	130000	62816.5390625		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.004930	830000	401147.0625		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.000208	35000	16924.6621094		
		Carbon Black (C)	1333-86-4	0.000030	5000	2441.05712891		
		Encapsulation Total:				0.005940	1000000	483329.3125
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000067	1000000	5451.69482422		
					TOTAL MASS (g) :	0.01229		