

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1812cs6#trpbf

(Engineering Calculation)

TSOT-23

(printed on: 2020-07-11 16:54:17)

TOTAL MASS (g) :0.012205

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	0.000367	1000000	30070.2421875
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.004582	975000	375427.40625
		Iron (Fe)	7439-89-6	0.000113	24000	9258.68457031
		Phosphorus (P)	7723-14-0	0.000001	300	81.9352645874
		Zinc (Zn)	7440-66-6	0.000003	700	245.805801392
		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	385013.8125
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.000644	1000000	52746.3164062
		External Plating Total:		0.000644	1000000	52746.3164062
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000080	1000000	6554.82080078
		Internal Plating Total:		0.000080	1000000	6554.82080078
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000306	750000	25072.1914062
		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)		0.000102	250000	8357.39746094
		Die Attach Total:		0.000408	1000000	33429.5898438
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.000772	130000	63254.0195312
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.004930	830000	403940.84375
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000208	35000	17042.5351562
		Carbon Black (C)	1333-86-4	0.000030	5000	2458.05786133
		Encapsulation Total:		0.005940	1000000	486695.46875
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000067	1000000	5489.66259766
					TOTAL MASS (g) :	0.012205