

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC2361CTS8#TRPBF

(Engineering Calculation)

TSOT-23

(printed on: 2014-01-19 23:36:30)

TOTAL MASS (g): 0.012111

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	0.000513	1000000	42359.2095312
Die Coat	Dow Corning	Silicone	69830-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.004382	975000	378343.40625
		Iron (Fe)	7439-89-6	0.000113	24000	9330.59960938
		Phosphorus (P)	7723-14-0	0.000001	300	82.5716705322
		Zinc (Zn)	7440-66-6	0.000003	700	247.715042114
		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)	7440-31-3	0.000000	0	0
		Lead Frame Total:		0.004499	1000000	388004.3325
Plating	PMI	Enter. Plating Pb	7439-92-1	0.000000	0	0
		Enter. Plating Sn	7440-31-5	0.000663	1000000	54719.421875
		External Plating Total:		0.000663	1000000	54719.421875
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000080	1000000	6605.73388672
		Internal Plating Total:		0.000080	1000000	6605.73388672
Die Attach	ELECTRICALLY INSULATING ADHESIVE	Silver (Ag)	7440-22-4	0.000000	0	0
		Tin (Sn)	7440-31-5	0.000000	0	0
		Lead (Pb)	7439-92-1	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.000004	50000	330.286682129
		Indium (In)	7440-74-6	0.000000	0	0
		Metal Oxide		0.000026	300000	2146.36352539
		Antimony (Sb)	7440-36-0	0.000000	0	0
		Resin (EP)		0.000057	650000	4706.58540922
		Die Attach Total:		0.000067	1000000	7182.73983984
Encapsulation	MULTI-AROMATIC RESIN B/SB-FREE	Resin (EP)		0.000347	58000	28652.3691406
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.005322	890000	439446.4375
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydride		0.000299	50000	24688.9316406
		Carbon Black (C)	1333-86-4	0.000012	2000	990.860168457
		Encapsulation Total:		0.005980	1000000	493778.625
Band Wire Estimated	APW/TANAKA/ Ks	Gold (Au)	7440-57-5	0.000089	1000000	7348.87039453

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0.012111