

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC2366HS6#TRMPBF

(Engineering Calculation)

TSOT-23

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TOTAL MASS (g): 0.012467

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	41149.4375		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.004582	975000	367537.4375		
		Iron (Fe)	7439-89-6	0.000113	24000	9064.10644531		
		Phosphorus (P)	7723-14-0	0.000001	300	80.213325005		
		Zinc (Zn)	7440-66-6	0.000003	700	240.639984131		
		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	376922.4375
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000644	1000000	51637.8085938		
External Plating Total:						0.000644	1000000	51637.8085938
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000000	1000000	6417.06591797		
Internal Plating Total:						0.000000	1000000	6417.06591797
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000191	750000	31523.8339844		
		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)		0.000131	250000	10507.9453125		
		Die Attach Total:				0.000524	1000000	42031.78125
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.000772	130000	61924.6875
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.004930	830000	395451.65625		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000208	35000	16684.3710938		
Carbon Black (C)	1333-86-4			0.000030	5000	2406.3996582		
Encapsulation Total:						0.005940	1000000	476467.15625
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000067	1000000	5374.29296875		

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