

LINEAR TECHNOLOGY MATERIALS DECLARATION

(Engineering Calculation)

SOT-223

LT1175S1T-5#TRPBF

(printed on: 2014-01-20 01:24:18)

TOTAL MASS (g): 0.115143

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	0.001695	1000000	12852.2929688		
Die Coat	Dow Corning	Silicone	69430-27-9	0	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.062693	975000	54447.5625		
		Iron (Fe)	7439-89-6	0.001543	24000	13400.6816406		
		Phosphorus (P)	7723-14-0	0.000019	300	165.011627197		
		Zinc (Zn)	7440-66-6	0.000045	700	390.817047119		
		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:			0.064206	1000000	5584341.25	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.001609	1000000	13977.2666016		
		External Plating Total:			0.001609	1000000	13977.2666016	
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000514	1000000	4463.99902344		
		Internal Plating Total:			0.000514	1000000	4463.99902344	
Die Attach	95 Pb / 5 Sn	Silver (Ag)	7440-22-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000052	50000	451.610778809		
		Lead (Pb)	7439-92-1	0.000989	950000	8589.2890625		
		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)		0.000000	0	0		
		Die Attach Total:			0.001041	1000000	9048.9003962	
		Encapsulation	MULTI-AROMATIC RESIN (BIS) FREE	Resin (EP)		0.004738	1030000	41148.6914062
				Bromine (Br)	40039-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.041170	895000	37554.15625		
Antimony Trisulfide (Sb2S3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000092	2000	799.003723145		
Encapsulation Total:					0.046000	1000000	399501.875	
Lead Wire Estimated	AFW/TANAKA/Ko	Gold (Au)	7440-57-5	0.000084	1000000	729.525085449		

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0.115143