

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1077INS#PBF

(Engineering Calculation)

FDP

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TOTAL MASS (g): 0.499403

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	0.002722	1000000	5430.50408281		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000652	1000000	1305.55810547		
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0		
		Iron (Fe)	7439-89-6	0.089088	580000	178388.90625		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		Nickel (Ni)	7440-02-0	0.064512	420000	129178.164062		
		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:				0.153600	1000000	307567.09375
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24850.2382812		
		External Plating Total:				0.012410	1000000	24850.2382812
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2458.93457031		
		Internal Plating Total:				0.001228	1000000	2458.93457031
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000850	750000	1702.03137207		
		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)		0.002583	250000	566.676330566		
		Die Attach Total:				0.001133	1000000	2368.70751953
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)		0.044211	135000	88527.65625
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.281641	860000	56395.0625		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.001637	5000	3277.91210938		
Encapsulation Total:						0.327489	1000000	655760.5625
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000169	1000000	338.40300146		

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