

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC4269CDKD-2#PBF

(Engineering Calculation)

DFN 7mm X 4mm Exp. Pad

(printed on: 2014-01-20 01:02:43)

TOTAL MASS (g): 0.062751

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	0.001230	1000000	21194.7871094		
Die Coat	Dow Corning	Silicone	69830-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.028382	975000	452293.5625		
		Iron (Fe)	7439-89-6	0.000699	24000	11139.2158203		
		Phosphorus (P)	7723-14-0	0.000000	300	143.42318562		
		Zinc (Zn)	7440-66-6	0.000020	700	318.718397412		
		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:		0.029110	1000000	463894.9375	
Plating	PMI	Enter. Plating Pb	7439-92-1	0.000000	0	0		
		Enter. Plating Sn	7440-31-5	0.001398	1000000	22282.8261719		
			External Plating Total:		0.001398	1000000	22282.8261719	
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000635	1000000	10119.1164062		
			Internal Plating Total:		0.000635	1000000	10119.1164062	
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	0.000008	50000	127.487434387		
		Indium (In)	7440-74-6	0.000000	0	0		
		Metal Oxide		0.000046	300000	733.05279541		
		Antimony (Sb)	7440-36-0	0.000000	0	0		
		Resin (EP)		0.000099	650000	1577.65710489		
			Die Attach Total:		0.000153	1000000	2438.19726562	
		Encapsulation	MULTIAROMATIC RESIN B/SB-FREE	Resin (EP)		0.001888	130000	61958.8984375
				Bromine (Br)	40039-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.025723	860000	409919.90625		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000299	10000	4764.84326172		
	Encapsulation Total:		0.029910	1000000	47664.6875			
Bond Wire Estimated	APW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000215	1000000	3426.22485352		

TOTAL MASS (g): 0.062751