

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC2487IDE#PBF

(Engineering Calculation)

DFN 4mm X 3mm Exp. Pad

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TOTAL MASS (g): 0.032153

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	0.001985	1000000	61736.5195312		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.013133	975000	408456.28125		
		Iron (Fe)	7439-89-6	0.000223	24000	10045.7910156		
		Phosphorus (P)	7723-14-0	0.000004	300	124.406082153		
		Zinc (Zn)	7440-66-6	0.000009	700	279.913096289		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-96-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead Frame Total:			0.013469	1000000	418906.40625	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.000626	1000000	19462.19375		
		External Plating Total:			0.000626	1000000	19462.19375	
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000362	1000000	9392.65917969		
		Internal Plating Total:			0.000362	1000000	9392.65917969	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000935	750000	29079.9238281		
		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)		0.000112	250000	9703.67400469		
		Die Attach Total:			0.001247	1000000	38763.59375	
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)		0.001876	130000	58346.453125
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.012410	860000	385969.875		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000144	10000	4478.61914062		
Encapsulation Total:					0.014430	1000000	448794.96875	
Lead Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000094	1000000	2923.54321289		

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