

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT6656BIDC-3#TRPBF

(Engineering Calculation)

DFN 2mm X 2mm Exp. Pad

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TOTAL MASS (g): 0.00911

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	0.000567	1000000	62237.878125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.002935	975000	322161.9375		
		Iron (Fe)	7439-89-6	0.000072	24000	7903.12158203		
		Phosphorus (P)	7723-14-0	0.000001	300	109.765571594		
		Zinc (Zn)	7440-66-6	0.000002	700	218.531143188		
		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:				0.002910	1000000	330394.24378
		Plating	PMI	Enter. Plating Pb	7439-92-1	0.000000	0	0
Enter. Plating Sn	7440-31-5			0.000136	1000000	14963.7695312		
External Plating Total:						0.000136	1000000	14963.7695312
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000072	1000000	7903.12158203		
Internal Plating Total:						0.000072	1000000	7903.12158203
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	0.000009	1000000	987.890197754		
		Iridium (Ir)	7440-74-6	0.000000	0	0		
		Metal Oxide		0.000027	300000	2963.67041016		
		Antimony (Sb)	7440-36-0	0.000000	0	0		
		Resin (EP)		0.000055	600000	6037.10644531		
		Die Attach Total:				0.000091	1000000	9980.66095219
		Encapsulation	MULTIAROMATIC RESIN B/SB-FREE	Resin (EP)		0.000677	130000	7431.12800625
Bromine (Br)	40039-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.004481	860000	49189.5		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000052	10000	5707.80957031		
Encapsulation Total:				0.005210	1000000	571878.625		
Bond Wire Estimated	APW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000024	1000000	2634.373793		

TOTAL MASS (g): 0.00910