

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT3015EQ-5#TRPBF

(Engineering Calculation)

DOPAK

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TOTAL MASS (g): 1.397125

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	0.002740	1000000	1961.17804295		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.852419	998500	610123.625		
		Iron (Fe)	7439-89-6	0.000000	0	0		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		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	0.001281	1500	916.882751465		
		<b>Lead Frame Total:</b>			<b>0.853700</b>	<b>1000000</b>	<b>611040.5</b>	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.009978	1000000	7141.96435547		
		<b>External Plating Total:</b>			<b>0.009978</b>	<b>1000000</b>	<b>7141.96435547</b>	
		Inter. Plating Ni	7440-02-0	0.004000	740740.75	2861.0222168		
		Inter. Plating Ag	7440-22-4	0.001400	259259.265625	1002.05767822		
		<b>Internal Plating Total:</b>			<b>0.005400</b>	<b>1000000</b>	<b>3863.0783298</b>	
Die Attach	95 Pb / 5 Sn	Silver (Ag)	7440-22-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000075	50000	53.6816673279		
		Lead (Pb)	7439-92-1	0.001433	950000	1025.0776123		
		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		
		<b>Die Attach Total:</b>			<b>0.001508</b>	<b>1000000</b>	<b>1079.359375</b>	
		Encapsulation	MULTI-AROMATIC RESIN (B/SB FREE)	Resin (EP)		0.533704	1030000	38438.9335938
				Bromine (Br)	40039-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.466653	895000	334009.4375		
Antimony Trisulfide (Sb2S3)	1309-64-4			0.000000	0	0		
Metal Hydrosulfide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.001043	2000	746.532958984		
<b>Encapsulation Total:</b>					<b>0.521400</b>	<b>1000000</b>	<b>373194.50625</b>	
Bond Wire Estimated	AFW/TANAKA/Ko	Gold (Au)	7440-57-5	0.001118	1000000	800.21460645		

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1.397125