Package Weight and Material Composition

Rev LK

Customer : **Nordic / nRF24AP2-1CHQ32**

Date: 8/13/2013

Prepared by : Ly-anne Marcelo

Package: **Saw MLF 5x5x0.85 32lds**

Pad/cavity size: 3.800 x 3.800 mm

	Name	Composition		%	gms	Density	gms	%	PPM	CAS #
Molding Compound	Sumitomo EME G700 (Green)					1.95	**0.02840**	**37.69%**	**376,880**	
Resin Type	Epoxy resin	Resin %		9.0	0.002556			3.39%	33,919	N/A
Filler Type	SiO2	Filler %		84.0	0.023859			31.66%	316,579	60676-86-0
	Phenol Resin	%		6.50	0.001846			2.45%	24,497	N/A
	Carbon Black	%		0.50	0.000142			0.19%	1,884	N/A
Frame	C194FH					8.9	**0.03921**	**52.03%**	**520,320**	
			Cu	97.44	0.038212			50.70%	507,013	7440-50-8
			Fe	2.35	0.000922			1.22%	12,228	7439-89-6
			Zn	0.13	0.000049			0.07%	650	7440-66-6
			P	0.08	0.000032			0.04%	429	7723-14-0
Frame Plating	Ag					Avg. Density	**0.00087**	**1.16%**	**11,572**	
			Ag		0.000872	10.50		1.16%	11,572	7440-22-4
Die							**0.00413**	**5.49%**	**54,852**	
Die #1	Silicon				0.004134	2.4		5.485%	54,852	
Die Attach							**0.00096**	**1.27%**	**12,684**	
Die #1	AMK06		Proprietary Acrylates	13	0.000124	3.8		0.16%	1,649	N/A
		Filler	Ag	80	0.000765			1.01%	10,147	7440-22-4
			Proprietary Bismaleimide	3	0.000029			0.04%	381	N/A
			Methacrylate Ester	3	0.000029			0.04%	381	N/A
			Proprietary polymer	1	0.000010			0.01%	127	N/A
Wire				%	gms	8.94	**0.00034**	**0.44%**	**4,447**	
Wire Dia(mm)	0.020		Cu	99.9900	0.000335			0.445%	4,446	7440-50-8
			Ca	0.0020	0.000000			0.000%	0.089	7440-70-2
			Ni	0.0015	0.000000			0.000%	0.067	7440-02-0
			S	0.0012	0.000000			0.000%	0.053	7704-34-9
			Fe	0.0010	0.000000			0.000%	0.044	7439-89-6
			Al	0.0010	0.000000			0.000%	0.044	7429-90-5
			Others	0.0003	0.000000			0.000%	0.013	
External Plating	Sn	Sn				Avg. Density	**0.00145**	**1.92%**	**19,246**	
			Sn		0.001451	7.30		1.925%	19,246	7440-31-5
							0.07537	**100.00%**	**1000000**	

Shaded blocks calculated per RoHS requirements

Disclaimer

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