

**Package Weight and Material Composition**

Rev KR

**Customer :** Nordic / NRF51422-QFAA & NRF51822-QFAA

**Date:** 11/6/2012

**Prepared by :** Ly-anne Marcelo

**Package:** Saw MLF 6x6x0.85 48lds

**Pad/cavity size:** 4.900 x 4.900 mm

	Name	Composition	%	gms	Density	gms	%	PPM
<b>Molding Compound</b>	Sumitomo EME G700 (Green)				1.95	<b>0.03790</b>	<b>33.94%</b>	<b>339,361</b>
	Resin Type	Epoxy resin	Resin %	9.0	0.003411		3.05%	30,542
	Filler Type	SiO2	Filler %	84.0	0.031833		28.51%	285,063
		Phenol Resin	%	6.50	0.002463		2.21%	22,058
		Carbon Black	%	0.50	0.000189		0.17%	1,697
<b>Frame</b>	C194FH				8.9	<b>0.06029</b>	<b>53.99%</b>	<b>539,913</b>
		Cu		97.44	0.058750		52.61%	526,105
		Fe		2.35	0.001417		1.27%	12,688
		Zn		0.13	0.000075		0.07%	675
		P		0.08	0.000050		0.04%	445
<b>Frame Plating</b>	Ag				Avg. Density	<b>0.00114</b>	<b>1.02%</b>	<b>10,174</b>
		Ag		0.001136	10.50		1.02%	10,174
<b>Die</b>						<b>0.00809</b>	<b>7.24%</b>	<b>72,401</b>
Die #1	Silicon			0.008085	2.4		7.240%	72,401
<b>Die Attach</b>						<b>0.00152</b>	<b>1.36%</b>	<b>13,639</b>
Die #1	AMK06	Filler	Proprietary Acrylates	13	0.000198	3.8	0.18%	1,773
			Ag	80	0.001218		1.09%	10,912
			Proprietary Bismaleimide	3	0.000046		0.04%	409
			Methacrylate Ester	3	0.000046		0.04%	409
			Proprietary polymer	1	0.000015		0.01%	136
<b>Wire</b>						<b>0.00037</b>	<b>0.33%</b>	<b>3,271</b>
Wire Dia(mm)	0.020				8.94		0.327%	3,271
		Cu		99.9900	0.000365		0.000%	0
		Ag		0.0030	0.000000		0.000%	0.065
		Ca		0.0020	0.000000		0.000%	0.049
		Ni		0.0015	0.000000		0.000%	0.039
		S		0.0012	0.000000		0.000%	0.033
		Fe		0.0010	0.000000		0.000%	0.033
		Al		0.0010	0.000000		0.000%	0.010
		Others		0.0003	0.000000		0.000%	
<b>External Plating</b>	Sn	Sn				<b>0.00237</b>	<b>2.12%</b>	<b>21,240</b>
		Sn		0.002372	7.30		2.124%	21,240
						<b>0.11167</b>	<b>100.00%</b>	<b>1000000</b>



Shaded blocks calculated per RoHS requirements

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