

Package Weight and Material Composition

Rev KX

Customer : Nordic / NRF51822-QFAB

Date: 2/6/2013

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Package: Saw MLF 6x6x0.85 48lds

Pad/cavity size: 4.900 x 4.900 mm

		Name	Composition	%	gms	Density	gms	%	PPM	CAS #
Molding Compound	Sumitomo	EME G700 (Green)				1.95	0.03790	33.94%	339,361	
	Resin Type	Epoxy resin	Resin %	9.0	0.003411			3.05%	30,542	N/A
	Filler Type	SiO2	Filler %	84.0	0.031833			28.51%	285,063	60676-86-0
		Phenol Resin	%	6.50	0.002463			2.21%	22,058	N/A
		Carbon Black	%	0.50	0.000189			0.17%	1,697	N/A
Frame	C194FH					8.9	0.06029	53.99%	539,913	
		Cu		97.44	0.058750			52.61%	526,105	7440-50-8
		Fe		2.35	0.001417			1.27%	12,688	7439-89-6
		Zn		0.13	0.000075			0.07%	675	7440-66-6
		P		0.08	0.000050			0.04%	445	7723-14-0
Frame Plating	Ag					Avg. Density	0.00114	1.02%	10,174	
		Ag			0.001136	10.50		1.02%	10,174	7440-22-4
Die							0.00809	7.24%	72,401	
Die #1	Silicon				0.008085	2.4		7.240%	72,401	
Die Attach							0.00152	1.36%	13,639	
Die #1	AMK06		Proprietary Acrylates	13	0.000198	3.8		0.18%	1,773	N/A
		Filler	Ag	80	0.001218			1.09%	10,912	7440-22-4
			Proprietary Bismaleimide	3	0.000046			0.04%	409	N/A
			Methacrylate Ester	3	0.000046			0.04%	409	N/A
			Proprietary polymer	1	0.000015			0.01%	136	N/A
Wire						8.94	0.00037	0.33%	3,271	
Wire Dia(mm)	0.020									
		Cu		99.9900	0.000365			0.327%	3,271	7440-50-8
		Ag		0.0030	0.000000			0.000%	0	7440-22-4
		Ca		0.0020	0.000000			0.000%	0.065	7440-70-2
		Ni		0.0015	0.000000			0.000%	0.049	7440-02-0
		S		0.0012	0.000000			0.000%	0.039	7704-34-9
		Fe		0.0010	0.000000			0.000%	0.033	7439-89-6
		Al		0.0010	0.000000			0.000%	0.033	7429-90-5
		Others		0.0003	0.000000			0.000%	0.010	
External Plating	Sn	Sn				Avg. Density	0.00237	2.12%	21,240	
		Sn			0.002372	7.30		2.124%	21,240	7440-31-5
							0.11167	100.00%	1000000	



Shaded blocks calculated per RoHS requirements

Disclaimer

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