

Package Weight and Material Composition

Rev LK

Customer : Nordic / nRF8001-R1Q32 and nRF8001-R2Q32

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Package: Saw MLF 5x5x0.85 32lds

Pad/cavity size: 3.900 x 3.900 mm

Name		Composition		%	gms	Density	gms	%	PPM	CAS #
Molding Compound	Sumitomo EME G700 (Green)					1.95	0.02774	36.41%	364,070	
Resin Type	Epoxy resin	Resin %		9.0	0.002497			3.28%	32,766	N/A
Filler Type	SiO2	Filler %		84.0	0.023302			30.58%	305,819	60676-86-0
	Phenol Resin	%		6.50	0.001803			2.37%	23,665	N/A
	Carbon Black	%		0.50	0.000139			0.18%	1,820	N/A
Frame	C194FH					8.9	0.04005	52.57%	525,654	
		Cu		97.44	0.039029			51.22%	512,211	7440-50-8
		Fe		2.35	0.000941			1.24%	12,353	7439-89-6
		Zn		0.13	0.000050			0.07%	657	7440-66-6
		P		0.08	0.000033			0.04%	434	7723-14-0
Frame Plating	Ag					Avg. Density	0.00090	1.18%	11,761	
		Ag			0.000896	10.50		1.18%	11,761	7440-22-4
Die							0.00458	6.00%	60,042	
Die #1	Silicon				0.004575	2.4		6.004%	60,042	
Die Attach							0.00103	1.35%	13,479	
Die #1	AMK06	Filler	Proprietary Acrylates	13	0.000134	3.8		0.18%	1,752	N/A
			Ag	80	0.000822			1.08%	10,783	7440-22-4
			Proprietary Bismaleimide	3	0.000031			0.04%	404	N/A
			Methacrylate Ester	3	0.000031			0.04%	404	N/A
			Proprietary polymer	1	0.000010			0.01%	135	N/A
Wire						8.94	0.00039	0.51%	5,114	
Wire Dia(mm)	0.020		Cu	99.9900	0.000390			0.511%	5,114	7440-50-8
			Ag	0.0030	0.000000			0.000%	0	7440-22-4
			Ca	0.0020	0.000000			0.000%	0.102	7440-70-2
			Ni	0.0015	0.000000			0.000%	0.077	7440-02-0
			S	0.0012	0.000000			0.000%	0.061	7704-34-9
			Fe	0.0010	0.000000			0.000%	0.051	7439-89-6
			Al	0.0010	0.000000			0.000%	0.051	7429-90-5
			Others	0.0003	0.000000			0.000%	0.015	
External Plating	Sn	Sn				Avg. Density	0.00151	1.99%	19,880	
			Sn		0.001515	7.30		1.988%	19,880	7440-31-5
							0.07620	100.00%	1000000	



Shaded blocks calculated per RoHS requirements

Disclaimer

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