



Material Content Data Sheet



Halogen-Free

Sales Product Name IMW120R220M1H

Issued

17. February 2022

MA# MA005620885

Package PG-TO247-3-41

Weight*

6044.92 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	siliconcarbide	409-21-2	1.072	0.02	0.02	177	177
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87523	87637
wire	non noble metal	aluminium	7429-90-5	1.365	0.02	0.02	226	226
encapsulation	organic material	carbon black	1333-86-4	20.087	0.33		3323	
	plastics	epoxy resin	-	381.649	6.31		63135	
	inorganic material	silicondioxide	60676-86-0	1,606.944	26.58	33.22	265834	332292
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5273	5273
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4808	4808
solder	non noble metal	antimony	7440-36-0	0.063			10	
	noble metal	silver	7440-22-4	0.157			26	
	non noble metal	tin	7440-31-5	0.409	0.01	0.01	68	104
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.88	56.96	568743	569483
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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