



Material Content Data Sheet



Halogen-Free

Sales Product Name IMBG120R220M1H

Issued

24. February 2022

MA# MA005708846

Package PG-TO263-7-12

Weight*

1434.47 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.018			13	
	noble metal	gold	7440-57-5	0.070			49	
	inorganic material	siliconcarbide	409-21-2	1.072	0.07	0.07	747	809
leadframe	inorganic material	phosphorus	7723-14-0	0.243	0.02		169	
	non noble metal	iron	7439-89-6	0.810	0.06		564	
	non noble metal	copper	7440-50-8	808.567	56.37	56.45	563671	564404
wire	non noble metal	aluminium	7429-90-5	1.194	0.08	0.08	833	833
encapsulation	inorganic material	zincoxide	1314-13-2	6.089	0.42		4245	
	miscellaneous	miscellaneous	-	24.356	1.70		16979	
	plastics	epoxy resin	-	91.336	6.37		63673	
	inorganic material	silicondioxide	60676-86-0	487.127	33.96	42.45	339587	424484
leadfinish	non noble metal	tin	7440-31-5	9.890	0.69	0.69	6895	6895
plating	inorganic material	phosphorus	7723-14-0	0.009			6	
	non noble metal	nickel	7440-02-0	3.686	0.26	0.26	2569	2575
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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