



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IMBG120R030M1H	<b>Issued</b>	15. May 2021
<b>MA#</b>	MA004531384		
<b>Package</b>	PG-TO263-7-12	<b>Weight*</b>	1437.13 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	0.083	0.01		58	
	noble metal	gold	7440-57-5	0.321	0.02		223	
	inorganic material	siliconcarbide	409-21-2	4.936	0.34	0.37	3435	3716
leadframe	inorganic material	phosphorus	7723-14-0	0.243	0.02		169	
	non noble metal	iron	7439-89-6	0.810	0.06		563	
	non noble metal	copper	7440-50-8	808.567	56.25	56.33	562626	563358
wire	non noble metal	aluminium	7429-90-5	4.155	0.29	0.29	2891	2891
encapsulation	inorganic material	zincoxide	1314-13-2	6.044	0.42		4206	
	miscellaneous	miscellaneous	-	24.177	1.68		16823	
	plastics	epoxy resin	-	90.665	6.31		63087	
	inorganic material	silicondioxide	60676-86-0	483.546	33.65	42.06	336466	420582
leadfinish	non noble metal	tin	7440-31-5	9.890	0.69	0.69	6882	6882
plating	inorganic material	phosphorus	7723-14-0	0.009			6	
	non noble metal	nickel	7440-02-0	3.686	0.26	0.26	2565	2571
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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