

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMBG120R045M1H	**Issued**	16. May 2021
MA#	MA005349862		
Package	PG-TO263-7-12	**Weight***	1436.41 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	0.057			40	
	noble metal	gold	7440-57-5	0.222	0.02		155	
	inorganic material	siliconcarbide	409-21-2	3.417	0.24	0.26	2379	2574
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	56.27	56.35	562908	563641
wire	non noble metal	aluminium	7429-90-5	4.133	0.29	0.29	2877	2877
encapsulation	inorganic material	zincoxide	1314-13-2	6.054	0.42		4215	
	miscellaneous	miscellaneous	-	24.215	1.69		16858	
	plastics	epoxy resin	-	90.806	6.32		63218	
	inorganic material	silicondioxide	60676-86-0	484.300	33.72	42.15	337160	421451
leadfinish	non noble metal	tin	7440-31-5	9.890	0.69	0.69	6885	6885
plating	inorganic material	phosphorus	7723-14-0	0.009			6	
	non noble metal	nickel	7440-02-0	3.686	0.26	0.26	2566	2572
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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