



Material Content Data Sheet



Halogen-Free

Sales Product Name	IMBG120R045M1H	Issued	24. February 2022
MA#	MA005708850		
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	zinc oxide	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	silicon dioxide	60676-86-0	484.300	33.72	42.15	337160	421451
lead finish	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.
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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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