

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMBF170R650M1	**Issued**	08. April 2022
MA#	MA005710450		
Package	PG-TO263-7-13	**Weight***	1355.42 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	0.019			14	
	noble metal	gold	7440-57-5	0.075	0.01		55	
	inorganic material	siliconcarbide	409-21-2	1.146	0.08	0.09	845	914
leadframe	inorganic material	phosphorus	7723-14-0	0.182	0.01		134	
	non noble metal	iron	7439-89-6	0.606	0.04		447	
	non noble metal	copper	7440-50-8	605.520	44.69	44.74	446742	447323
wire	non noble metal	aluminium	7429-90-5	1.375	0.10	0.10	1015	1015
encapsulation	inorganic material	zincoxide	1314-13-2	6.307	0.47		4653	
	miscellaneous	miscellaneous	-	25.227	1.86		18612	
	plastics	epoxy resin	-	94.602	6.98		69795	
	inorganic material	silicondioxide	60676-86-0	504.544	37.22	46.53	372242	465302
leadfinish	non noble metal	tin	7440-31-5	9.890	0.73	0.73	7297	7297
plating	inorganic material	phosphorus	7723-14-0	0.008			6	
	non noble metal	nickel	7440-02-0	3.405	0.25	0.25	2512	2518
heatspreader	inorganic material	phosphorus	7723-14-0	0.031			23	
	non noble metal	iron	7439-89-6	0.103	0.01		76	
	non noble metal	copper	7440-50-8	102.377	7.55	7.56	75532	75631
*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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