



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IMBF170R1K0M1	<b>Issued</b>	11. August 2021
<b>MA#</b>	MA002746608		
<b>Package</b>	PG-TO263-7-13	<b>Weight*</b>	1355.04 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	0.015			11	
	noble metal	gold	7440-57-5	0.058			43	
	inorganic material	siliconcarbide	409-21-2	0.888	0.07	0.07	655	709
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	446865	447446
wire	non noble metal	aluminium	7429-90-5	0.474	0.04	0.04	350	350
encapsulation	inorganic material	zincoxide	1314-13-2	6.315	0.47		4660	
	miscellaneous	miscellaneous	-	25.259	1.86		18641	
	plastics	epoxy resin	-	94.722	6.99		69904	
	inorganic material	silicondioxide	60676-86-0	505.185	37.28	46.60	372820	466025
leadfinish	non noble metal	tin	7440-31-5	9.890	0.73	0.73	7299	7299
plating	inorganic material	phosphorus	7723-14-0	0.008			6	
	non noble metal	nickel	7440-02-0	3.405	0.25	0.25	2513	2519
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	7.56	7.57	75553	75652
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com