



Material Content Data Sheet



Halogen-Free

Sales Product Name	IMBF170R450M1	Issued	11. August 2021
MA#	MA002746612		
Package	PG-TO263-7-13	Weight*	1355.85 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	0.025			18	
	noble metal	gold	7440-57-5	0.097	0.01		71	
	inorganic material	siliconcarbide	409-21-2	1.487	0.11	0.12	1096	1185
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	44.67	44.72	446597	447178
wire	non noble metal	aluminium	7429-90-5	2.347	0.17	0.17	1731	1731
encapsulation	inorganic material	zincoxide	1314-13-2	6.298	0.46		4645	
	miscellaneous	miscellaneous	-	25.191	1.86		18580	
	plastics	epoxy resin	-	94.467	6.97		69673	
	inorganic material	silicondioxide	60676-86-0	503.822	37.16	46.45	371591	464489
leadfinish	non noble metal	tin	7440-31-5	9.890	0.73	0.73	7294	7294
plating	inorganic material	phosphorus	7723-14-0	0.008			6	
	non noble metal	nickel	7440-02-0	3.405	0.25	0.25	2511	2517
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	75507	75606
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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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