



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IMBF170R450M1	<b>Issued</b>	24. February 2022
<b>MA#</b>	MA005709218		
<b>Package</b>	PG-TO263-7-13	<b>Weight*</b>	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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