

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMZ120R045M1	**Issued**	07. April 2021
MA#	MA004264530		
Package	PG-TO247-4-1	**Weight***	6163.70 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	siliconcarbide	409-21-2	4.941	0.08	0.08	802	802
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	non noble metal	iron	7439-89-6	2.890	0.05		469	
	non noble metal	copper	7440-50-8	2,885.760	46.83	46.89	468184	468794
wire	non noble metal	aluminium	7429-90-5	3.375	0.05	0.05	548	548
encapsulation	organic material	carbon black	1333-86-4	20.142	0.33		3268	
	plastics	epoxy resin	-	382.704	6.21		62090	
	inorganic material	silicondioxide	60676-86-0	1,611.387	26.14	32.68	261431	326789
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3746	3746
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	316	316
solder	non noble metal	antimony	7440-36-0	0.209			34	
	noble metal	silver	7440-22-4	0.523	0.01		85	
	non noble metal	tin	7440-31-5	1.359	0.02	0.03	221	340
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		199	
	non noble metal	copper	7440-50-8	1,222.919	19.84	19.87	198406	198665
*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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