

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMW120R045M1	**Issued**	07. April 2021
MA#	MA004264532		
Package	PG-TO247-3-41	**Weight***	6047.69 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	817	817
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87483	87597
wire	non noble metal	aluminium	7429-90-5	4.257	0.07	0.07	704	704
encapsulation	organic material	carbon black	1333-86-4	20.032	0.33		3312	
	plastics	epoxy resin	-	380.613	6.29		62935	
	inorganic material	silicondioxide	60676-86-0	1,602.580	26.50	33.12	264991	331238
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.209			35	
	noble metal	silver	7440-22-4	0.523	0.01		86	
	non noble metal	tin	7440-31-5	1.359	0.02	0.03	225	346
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.85	56.93	568482	569222
*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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