



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IMW120R140M1H

**Issued**

05. April 2021

**MA#** MA001949446

**Package** PG-TO247-3-41

**Weight\***

6045.04 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	1.434	0.02	0.02	237	237
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	87521	87635
wire	non noble metal	aluminium	7429-90-5	2.000	0.03	0.03	331	331
encapsulation	organic material	carbon black	1333-86-4	20.076	0.33		3321	
	plastics	epoxy resin	-	381.452	6.31		63102	
	inorganic material	silicondioxide	60676-86-0	1,606.116	26.57	33.21	265692	332115
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5273	5273
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4808	4808
solder	non noble metal	antimony	7440-36-0	0.078			13	
	noble metal	silver	7440-22-4	0.196			32	
	non noble metal	tin	7440-31-5	0.508	0.01	0.01	84	129
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	56.88	56.96	568732	569472
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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