

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMW65R048M1H	**Issued**	11. December 2019
MA#	MA005400151		
Package	PG-TO247-3-41	**Weight***	6047.25 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	2.646	0.04	0.04	438	438
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		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	87489	87603
wire	non noble metal	aluminium	7429-90-5	5.601	0.09	0.09	926	926
encapsulation	organic material	carbon black	1333-86-4	20.046	0.33		3315	
	plastics	epoxy resin	-	380.868	6.30		62982	
	inorganic material	silicondioxide	60676-86-0	1603.657	26.52	33.15	265187	331484
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.126	0.00		21	
	noble metal	silver	7440-22-4	0.314	0.01		52	
	non noble metal	tin	7440-31-5	0.818	0.01	0.02	135	208
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	3438.006	56.85	56.93	568524	569264
*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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