

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMW65R086M1H	**Issued**	18. May 2021
MA#	MA005426393		
Package	PG-TO247-3-41	**Weight***	6045.21 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	1.693	0.03	0.03	280	280
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	87519	87633
wire	non noble metal	aluminium	7429-90-5	1.931	0.03	0.03	319	319
encapsulation	organic material	carbon black	1333-86-4	20.075	0.33		3321	
	plastics	epoxy resin	-	381.429	6.31		63096	
	inorganic material	silicondioxide	60676-86-0	1,606.017	26.57	33.21	265668	332085
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	0.089			15	
	noble metal	silver	7440-22-4	0.222			37	
	non noble metal	tin	7440-31-5	0.576	0.01	0.01	95	147
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	56.87	56.95	568715	569455
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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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