



Material Content Data Sheet



Sales Product Name		IMW120R350M1H		Issued		4. July 2019		
MA#		MA001823586						
Package		PG-TO247-3-41		Weight*		6044.38 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	0.811	0.01	0.01	134	134
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	87531	87645
	non noble metal	aluminium	7429-90-5	0.337	0.01	0.01	56	56
wire	non noble metal	aluminium	7429-90-5	0.337	0.01	0.01	56	56
encapsulation	organic material	carbon black	1333-86-4	20.095	0.33		3325	
	plastics	epoxy resin	-	381.812	6.32		63168	
	inorganic material	silicondioxide	60676-86-0	1607.629	26.60	33.25	265971	332464
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	4809	4809
solder	non noble metal	antimony	7440-36-0	0.052	0.00		9	
	noble metal	silver	7440-22-4	0.129	0.00		21	
	non noble metal	tin	7440-31-5	0.335	0.01	0.01	55	85
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		570	
	non noble metal	copper	7440-50-8	3438.006	56.87	56.95	568793	569534
*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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