



Material Content Data Sheet



Sales Product Name		IPW60R080P7		Issued		20. July 2018		
MA#		MA002054986						
Package		PG-TO247-3-41		Weight*		6048.44 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	7.931	0.13	0.13	1311	1311
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	87472	87586
	non noble metal	aluminium	7429-90-5	4.258	0.07	0.07	704	704
wire	non noble metal	aluminium	7429-90-5	4.258	0.07	0.07	704	704
encapsulation	organic material	carbon black	1333-86-4	19.992	0.33		3305	
	plastics	epoxy resin	-	379.845	6.28		62801	
	inorganic material	silicondioxide	60676-86-0	1599.349	26.44	33.05	264423	330529
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	4805	4805
solder	non noble metal	antimony	7440-36-0	0.389	0.01		64	
	noble metal	silver	7440-22-4	0.972	0.02		161	
	non noble metal	tin	7440-31-5	2.526	0.04	0.07	418	643
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	56.83	56.91	568412	569152
*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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